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FIRST ANNUAL REPORT

OF THE

Department of Architecture

OF THE STATE OF NEW YORK

FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1914

TRANSMITTED TO THE LEGISLATURE APRIL 8, 1915

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No. 28

IN ASSEMBLY

APRIL 8, 1915

First Annual Report of the Department of Architecture

To the Honorable, the Legislature of the State of New York:

I have the honor to transmit herewith the first annual report of the newly created Department of Architecture. A six months' experience under this most recent subdivision of State government shows conclusively that, as was predicted in my report of a year ago, the architectural demands of the State are now more adequately met and the economies of the commonwealth are to a greater degree conserved. Embodying as it does the eminently practical and carefully considered suggestions of the legislative committee of the New York State Association of the American Institute of Architects, the present law may properly be termed the most comprehensive in architectural legislation, State or Federal. Under its provisions a decided impetus has been given to the Department, with the result of decreasing materially the accumulated work. Manifest improvement in method and management of the several divisions, designing, drafting, engineering and executive, is but one of the many desirable results of the new law. It has already demonstrated that it makes for both efficiency and economy.

The work done under the direction of this Department during the fiscal year ending September 30, 1914, is included in the following statement:

Contracts in force October 1, 1913 *		$4,004,361 29
Contracts awarded 1913–1914		2,479,176 30
Special fund estimates (not included in contracts)		398,985 42
Percentage contracts		260,544 31
Total face of contracts and orders administered 1913–1914		$7,143,067 32
Face of contracts concluded 1913–1914, *including* special fund estimates and percentage contracts as above		2,483,695 62
Face of contracts in force October 1, 1914		$4,659,371 70
Certificates issued upon contracts in force October 1, 1914, *not including* special fund estimates approved, or percentage certificates		1,939,477 86
Balance of unperformed work upon contracts effective October 1, 1914		$2,719,893 84
Summary of contract progress for 1913–1914:		
Contracts completed	$2,483,695 62	
Partial payment on uncompleted contracts	1,939,477 86	
		$4,423,173 48
Total contract progress 1913–1914		$4,423,173 48
Value of Department work advanced to contract October 1, 1914		545,793 65
Value of Department work (estimated) advanced in part toward contract October 1, 1914		500,000 00
Total value of Department work 1913–1914		$5,468,967 13
Anticipated and projected work for 1914–1915:		
Unexpended balance in contracts in force October 1, 1914		$2,719,893 84

* Corrected

Anticipated contracts upon 1913–1914 work advanced	$1,045,793 65
	$3,765,687 49

Toward the administration of the foregoing volume of accumulated work during the fiscal year ending September 30, 1914, there was expended under the supervision of this Department a total of $225,317.81, or $4,906.43 less than the previous year. Of this total, $64,402.92 was for Capitol reconstruction, percentage contracts and services of outside architects, being $25,419.85 less than was expended for like purposes during the year 1912–1913. The amount expended for office maintenance was $160,914.89.

Occasional advances in the expenditures for office maintenance are to be expected if creative work of the highest order is to be handled expeditiously and economically. It is indisputable that the cost of office maintenance as compared with the increasing volume of work demanding attention is much less in proportion than heretofore. It has been the history of the State Architect's office that (with an occasional exception) insufficient funds have ordinarily been provided for preliminary study and for prompt and proper execution of the work put upon it. Especially is this true of the past two and a half years, when a considerable portion of the time of the office has been devoted to Capitol reconstruction. It is not too much to say that fully twenty-five per cent of the time of the head of this Department and that of a number of its employees has been devoted to this perplexing piece of improved reconstruction now nearing completion. The change wrought in Department methods during the past year has not only increased its competency but has so far increased the volume of completed work as to materially lessen the pro rata charge. When it is considered that during the year just closed the amount of work in charge of one particular important division alone increased more than one hundred per cent, it will readily be appreciated that with increased labor and employees there necessarily follows a slight increase in Department expenditure.

During the year the engineering branch of the Department prepared heating, sanitary and electric plans and specifications to the

For all such study the Department of Architecture offers, and should offer to a degree proportioned to the growing demand, the proper agency. Such study must take into consideration all factors of existing conditions and projected developments. The technical guidance should be offered in a spirit of sympathetic co-operation and should precede the appropriation for the work as determined by such study. Preliminary study more than justifies its cost, by: (1) insuring a program of construction, economical and efficient in operation during progress and in consummation; (2) by postponing the final appropriation for execution until the propriety of the appropriation is surveyed, its adequacy is assured, and its true economy is demonstrable. Cases in point are such institutional and educational projects as Letchworth Village, Farmingdale, and the School of Forestry at Syracuse University, where the plot plan for the whole anticipated improvement was studied in all the physical and operating aspects, and definite plans were projected and adopted, before the plans of the immediate initial construction could be started.

CHANGE IN CHARACTER OF BUILDINGS

A complete change in the character of buildings constructed for the shelter of unfortunate wards of the State is in progress. Instead of planning exclusively for the accommodation of those at present demanding room, the Department of Architecture is studying also for future development and expansion of State institutions. Under the study of its designers, draftsmen and engineers is every variety of humane, charitable, curative, corrective or educational building project which sociology could suggest. To meet fully the immediate needs of to-day and to anticipate the necessities of tomorrow means creative work of the highest order and intimate cooperation with the administrative authorities. This Department is fully aware of the absolute necessity for certain additional public buildings. It believes that there should be changes in existing laws expediting the final determination of plans. It is convinced that before the board of managers or commission asks for an appropriation for a new building or alterations or additions to existing buildings, the Department of Architecture should be called upon to prepare preliminary plans and specifications. These, ap-

proved by boards or commissions, showing both the necessity and exact cost of the proposed improvement, should be laid before the Board of Estimate and Apportionment at its meeting prior to the session of the Legislature which is expected to pass upon such appropriation. Were actual need and actual cost determined before coming to the Legislature, much of the difficulty experienced in securing appropriations, as well as subsequent delay in preparation of plans, would be obviated.

A DEPARTMENT OF SERVICE

The Department of Architecture is distinctly of a different type and function and therefore not comparable to other State departments directing the expenditure of public funds for public works. It is exclusively a department of service to the administrative departments securing appropriations and dictating the terms of expenditure. It does not secure appropriations, endorse their propriety (except as the State Architect is associated in person upon specific State boards), conduct building on its own initiative, or have any connection with the operation of its work when turned over to the State. Consequently, the Department of Architecture is dependent for its justification upon the volume of work which is imposed upon it by the State authorities securing the appropriations, and such volume of work directly governs the cost of the Department.

The preparation for future development of the increasing number of State institutions needing new buildings has made new demands upon the office working force, particularly as regards architectural designers. To meet this demand during the past year and at the same time carry on the unusually large amount of work under accumulated appropriations, has necessitated additional employees, thus adding materially to the apparent increased expense of the Department.

OBVIATION OF DELAYS IN BUILDING

In the last report of the State Architect, suggestion was made that delays in preparing plans and specifications could be avoided either by larger appropriations for the maintenance of the Department or by adoption of the method of making the office practi-

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cally self-supporting by paying from the appropriations made for buildings the cost of doing the architectural work on such structures. For instance, an appropriation might be made for a building or group of buildings estimated to cost, say, $50,000 or $250,000, or either of these sums, *plus* cost of doing the architectural work. This estimate of such cost could very easily be checked by the commissions, boards or trustees by whom the appropriation was secured, from the records maintained in this office for work of a similar character, thereby eliminating any possibility of exorbitant or extravagant estimates by the Department of Architecture.

DEPARTMENT COST FOR SERVICE

Accounting measures have been adopted, designed to establish and make possible the identifying and segregating of the Department's costs to the various State authorities by whom it is retained. Such measures give an ascertainable percentage of Department cost for services to various classes of State enterprises.

The theoretically correct method of accounting for the Department cost for preliminary study would be to hold in suspense the cost so incurred in a so-called "rotary" fund to be reimbursed from the appropriation as ultimately secured. Such a fund should be protected by every device of authorized drafts and checks to place it beyond the reach of irresponsible abuse. It would become an automatically replenishing fund, accountable for at all times, and would insure complete distribution of Department cost to the enterprise occasioning such cost. Such a fund would probably mean the amendment of certain features of the State Finance Law, and such measures are respectfully submitted for your consideration.

STANDARDIZATION OF BUILDINGS

The purposes of standardizing buildings, now the subject of much discussion by various boards in this and other States, must be considered before the methods can be intelligently adopted.

The first purpose is not the adoption of a uniform like a policeman's, to stamp with monotony the structures and the atmosphere of the institutions. The first purpose of standardization is to

create a piece of structural machinery so delicately adjusted to the requirements of operation and occupation of a given charity that the ambitions and objects of all of the institutions devoted to a specific purpose are served with the greatest utilitarian economy.

Realization.— The concrete realization of this purpose can be achieved, but its fulfillment is only possible through the sympathetic and orderly co-operation between the executive, administrative and philanthropic direction of State institutions with the technical and service guidance of architect and engineer.

First step; survey.— A critical analytical survey of all of the institutions of a State should precede individual consideration. The general survey will automatically determine the position of each class — its group through the establishment of its characteristics.

(a) Type and Grouping.— Agricultural and industrial, including output; educational and corrective; custodial. Territorial limitations.

(b) Location.— Accessibility and transportation; water supply; heat, light, sanitation.

(c) Inter-influence of local and State control.

(d) Tenancy or occupation by inmates; feeble-minded, defectives and criminal, ages, juvenile, infirm, all subdivided by sex and sub-characteristics.

(e) Centralization and effective government control, commissions, fiscal supervisor, boards of managers.

(f) Administration.— Administrative staffs, including service; medical, including nurses and orderlies; educational, including farm and shop, foremen; detentional, including wardens and keepers.

This survey leads to the establishment of such conclusions as determine the nature of an institution through the ratios of determined purposes applied to structure. The economy of administration, the security of inmates from fire and contagion, the security of the inmates' detention and segregation, and the comfort and convenience of both inmates and administration are factors that develop out of the general survey. The appropriateness of structure to purpose, which is the beginning of standardization wisdom, makes itself felt more and more throughout such a course

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of analysis. The necessity of adopting such types of structural designs and details as lend themselves naturally to modifications, alterations and expansion, becomes equally apparent, with the multiplication of evidence that such growth is inevitable with time, and with the evolution of the State's social responsibilities.

Unit of Measurement.— The completion of this analysis should result in the identification of a unit of measurement for each type of institution and sub-institution. This unit should be the minimum number of inmates that embodies a fixed ratio of all the inmate classes occupying a certain type or group of institutions to which is added an ascertainable ratio of administrative attendance. This unit should give in interchangeable terms, inmates, and areas, cubage and proportional auxiliary facilities, such as water supply, horsepower, sewerage, dining-rooms, kitchens, etc., etc., barns, shops, etc.

With this unit of measurement established, the necessities of the individual institution can be identified in standard terms, that are not the expedients or makeshifts of personal judgment. This possibility of measurement is the prerequisite of any comprehensive scheme for the reclamation of our system of institutions, and in terms of building only, it is the means of determining not alone the lines of first construction, but the sequence of growth. It becomes not only the basis of standard construction progress but also the basis of logical comparisons of actually parallel conditions at different points, leading to explicit conclusions confirming or correcting local practices.

The establishment of this unit and of its equivalent terms in structure and equipment is the first purpose of standardizing buildings. It parallels the conventional industrial practices of designing factories, shops, mills, in terms of a unit of output.

The unit becomes the institution by multiplication. Immediately we arrive, structurally, economically, and by purpose, at the boundaries, minimum and maximum, of the effective institution under the predicated conditions. The smaller the number of units, the greater the per capita cost of the irreducible minimum of administration and auxiliary facilities, but the units can only be increased up to the point beyond which the physical efficiency of a single administration is overloaded. Between these

maximum and minimum limits of effectiveness and obviously approximating the maximum limit, is the institution of maximum efficiency. And in terms of the unit, the structures proportionately efficient can be standardized.

Given then the comprehensive formulas of standard buildings, and subscribing unreservedly to the proposition that standardization of buildings is a corrollary to standardization of institutions, the second purpose of standardization may be discussed.

Central Stock Room.— This purpose is the economy in first costs by the adoption of uniformity in plans and sections of buildings; and second, economy in maintenance by reducing the variety of materials and devices carried for repairs and replacements, the increased facility for purchasing such materials and devices in bulk, the possibility of a central maintenance stock room, with a maintenance-staff following uniform practice at all points, resulting in a standardized maintenance cost for comparison as between institutions.

Uniformity in plans and sections of structures involves the determination of the cubic contents allowed per unit, the floor area, and the resulting ceiling heights. These in turn are convertible into terms of horsepower for heat and light, into volume for water supply and sewerage.

The minimum of ceiling heights permitting the adequate diffusion of light from windows of prescribed proportion to wall area, and of prescribed sill height, reduces the number of steps in stairways, and opens the field of speculation for the use of ramps for infirmaries and for thoroughfares to day rooms, "dining rooms" and rooms of general assembly purpose.

The consideration of general materials properly enters at this point, and the hygienic and structural values of floor coverings, wall and ceiling coatings and textures. The comparative values of direct and indirect methods of heating and lighting, the types of natural and artificial lighting, whether from walls or ceilings, concealed and diffused, or direct, should be settled from the standpoint of operating effectiveness — not exclusively from the standpoint of initial cost — (an item of small percentage value in the total first cost and of vital importance in ultimate efficiency).

All the designs, methods, materials and devices should be first

appraised and rated by the test of suitability for the purpose, remembering that unstudied guess work is essential extravagance, and that studied and justified proportions and practice, are essential economy.

Uniformity.— The last phase of standardizing is the consideration of the structural materials that perform no essential function in administration of operation except as they contribute to the completeness of the structure as a whole.

Such considerations as the uniformity of rain water leaders, hardware and glazing installations, valves, hose and fixtures, hydrants, all are matters, not of "standardization," but of "uniformity."

The multiplicity of R. R. buildings known as "standard" are not "standard" because they are uniform in dimensions, materials and devices. They are "standard" because the functions whose purposes they serve, have been standardized, and because the structures have been coordinated with their functions. Thus the derivative uniformity has been made possible and logical.

The whole point of the question of standardizing structure and equipment for institutional purposes is, that standardization must proceed; that it can only proceed in intimate co-operation with the standardization of the institution; that the standardization of institutions and buildings go hand in hand, cannot be conducted independently, must keep pace with each other.

DEPARTMENT OF ARCHITECTURE

With several important amendments the Legislature of 1914 passed and the Governor approved the measure prepared and recommended by me reorganizing the work of the State Architect's office and creating a new subdivision of State government known as the Department of Architecture. Results under the new statute during the past few months have been most satisfactory architecturally while a material pro rata reduction in the cost of preparing plans and specifications has been secured. The new law has more than justified its enactment. It is Chapter III of the Laws of 1914, and is as follows:

AN ACT to amend the public buildings law, in relation to the office of state architect, establishing a department of architecture, and defining the jurisdiction, powers and duties thereof.

CHAPTER III, LAWS OF 1914

Section 1. Sections six and seven of chapter forty-eight of the laws of nineteen hundred and nine, entitled "An act relating to public buildings, constituting chapter forty-four of the consolidated laws," are hereby amended to read, respectively, as follows:

§ 6. State architect; department of architecture. The state architect now in office is continued in office for three years from January first, nineteen hundred and fourteen. The office of the state architect shall hereafter be known as the department of architecture. The state architect shall be the head of the department of architecture. He shall be appointed by the governor, by and with the advice and consent of the senate, for a term of three years. He shall receive an annual salary of ten thousand dollars.

§ 7. Office, deputies and assistants. The trustees of public buildings shall provide suitable offices, rooms and accommodations for the department of architecture at the state capitol. The state architect shall have the custody of all plans, specifications, apparatus, books and records heretofore in his custody. He may appoint and employ, to hold office during his pleasure, three deputies to be known and designated, respectively, as executive deputy state architect, at an annual salary of five thousand dollars, assistant state architect, at an annual salary of five thousand dollars and chief engineer, at an annual salary of three thousand five hundred dollars. He may also appoint and employ in his department, to hold office during his pleasure, a secretary, an assistant secretary and two confidential assistants, and shall fix their salaries or compensation at such reasonable sums as shall fairly compensate them for the services to be rendered. He may also appoint and employ such architectural and engineering experts, draftsmen, clerks, stenographers and other employees as may be necessary for the conduct of the business of such department, and upon such appointment or employment he shall fix their salaries or compensation. Whenever plans and specifications for state buildings are executed by architects other than the state architect, they must be approved by the state architect.

2. Section eight of such chapter, as amended by chapter four hundred and forty-eight of the laws of nineteen hundred and ten, is hereby amended to read as follows:

§ 8. General powers and duties of state architect. The state architect shall prepare the drawings and specifications for and supervise the construction of all new buildings erected at the expense of the state, except as provided in this article; shall also prepare the drawings and specifications for all additions to existing buildings, and for the alteration or improvement thereof, except when such work is done by an institution or inmate labor or both upon special fund estimates, and shall see that the materials furnished and the work performed in constructing, altering, or improving any such building are in accordance with such drawings and specifications, and that the interests of the state are fully protected. No municipality of the state shall have power to modify or change plans or specifications for the erection, alteration or improvement of state buildings, or the construction, plumbing, heating, lighting or other mechanical branch of work necessary to complete the work in question, nor to require that any person, firm or corporation employed on any such work shall perform said work in any other or different manner than that provided by said contract and specifications, nor to obtain any other or additional authority or permit from such municipality, department or person as a condition of doing such work, nor shall any condition whatever be imposed by any such municipality in relation to the work under the supervision of the state architect, but such work shall be under the sole control of the state architect in accordance with the drawings, plans, specifications and contracts in relation thereto; and the doing of any such work for the state by any person, firm or corporation in accordance with the terms of such contract, plans or specifications shall not subject said person, firm or corporation to any liability or penalty, civil or criminal, other than may be stated in such contract and specifications or incidental to the proper enforcement thereof. He shall prepare necessary forms of contracts to be approved by the attorney-general, which shall be used in all work let by contract and no payment shall be made on any such contract except upon his official certificate after audit by the comptroller.

3. Such chapter is hereby amended by inserting therein at the end of article two, eleven new sections to be sections thirteen to nineteen-d, both inclusive, to read, respectively, as follows:

§ 13. Inspection of work by department interested. The provisions of section eight shall not be construed to prohibit any board, department or officer of any institution, department or office of the state from entering upon any work in progress or done in or upon any public building in such institution, department or office for the purpose of inspecting such work and otherwise determining whether the work has been done faithfully, according to the terms of contract therefor.

§ 14. Contracts. It shall be the duty of the state architect, in accordance with the provisions of this chapter, to prepare specifications and drawings for all work and materials to be contracted for upon and in connection with the erection of new buildings for the state and of additions, alterations and improvements thereto, and such specifications and drawings shall be a part of each such contract. Such specifications and drawings when prepared shall be filed in the office of the department of architecture, and in the office of the board, department, commission or office having jurisdiction over such work, and in the office of the state comptroller; and shall at all times be open to public inspection. The state may reject all bids submitted if the lowest bid is excessive or may reject the bid of the contractor who is shown to be irresponsible or has been guilty of defective or fraudulent work upon state or other contracts. The public notice of the letting of contracts shall be a notice describing the work and materials to be contracted for; shall refer to the specifications and drawings therefor and to the filing of such specifications and drawings in the office of the state architect; and shall state the time when and the place where the bids invited upon such specifications will be received. Such notice shall be printed in a newspaper published in the city of Albany, and in such other newspapers as will be most likely to give adequate notice of the letting of such contracts, for such time and in such manner as shall be prescribed in the rules and regulations to be made by the state architect. The specifications and drawings for such work and materials to be contracted for must be set forth in such detail as will adequately inform proposing bidders of the nature, kind,

service corporation shall not be required to make the preliminary deposit or to give the certified check upon submitting its proposal, nor to give any bond for the performance of the work, nor shall any advertising for proposals be necessary where the public service corporation is to perform the work.

§ 19-b. When appropriations are available; limitation of liability of state; appropriations for two or more objects. No item of an approriation made for the performance of such work shall be available, except for advertising or expenses incurred in the preparation of plans and specifications, engineering work or superintendence, unless one or more contracts or special orders shall first have been made for the completion of such work within the appropriation therefor. All contracts for the erection, alteration, repair or improvement of state institutions shall contain a clause that the contract shall only be deemed executory to the extent of the moneys available and no liability shall be incurred by the state beyond the moneys available for the purpose. If an appropriation be made for the erection, alteration, repair or improvement of buildings or plant in an appropriation act specifying two or more objects for which the appropriation is made and any one of such objects shall have been accomplished for a sum less than the amount specified in the act, the unexpended balance shall be applicable to any other work specified in the act.

§ 19-c. Completion of existing contracts. All contracts for the erection of new buildings for the state or any of its institutions or for additions, alterations or improvements to existing buildings of the state and for all work and materials in connection therewith shall be continued in force and carried to completion by the department of architecture.

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[illegible]

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	3
[illegible]	2
[illegible]	2
[illegible]	
[illegible]	51
[illegible]	3
[illegible]	12
[illegible]	7
[illegible]	23
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[illegible]	
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September	1	3	14	14	1	1	1	2	1	38

Hospitals	*Details*
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Middletown — Power house and coal shed	2
Middletown — Addition to Chronic building	2
Charities	
Bedford — Power house, cottages 9 to 16 inclusive	51
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During the latter third of the fiscal year, it was necessary to augment the force in order to relieve the congestion of accumulated work due to extra labor required by authorization of the Trustees of Public Buildings for completion of the unfinished percentage contract for the finishing of the west end of the Capitol, and the finishing of the fourth, fifth and sixth floors at such end. Preparation of plans and specifications for Capitol Reconstruction, on account of the unusual amount of measurements, checking up and patch work, has required of this office a much greater quantity of work than the contract cost of the restoration would indicate.

In three only of the 102 projects prepared has it been possible to utilize a repetition of the same design. This repetition was practicable in three of the buildings of the hospital group, four of the buildings of the farm group at Bedford Reformatory for Women, and in the troop armories at Albany and Buffalo.

STATE HOSPITALS

The more important building operations in progress at the various State Institutions under the direction of the Hospital Commission during the fiscal year are as follows:

Binghamton

Working drawings and specifications in course of completion for the new building to accommodate 282 patients of the chronic class, 25 attendants, and quarters for one doctor.

Working drawings and specifications have been completed for an addition to the laundry.

Central Islip

Working drawings and specifications have been completed for an addition to the South Colony power house to permit of increased boiler capacity. Sketches have been prepared and approved for the enlargement and renovation of the refrigerating plant and general store house.

Gowanda

Working drawings have been prepared for two reinforced concrete silos.

Hudson River

Working drawings have been prepared for the repairs to the Nurses' Cottage, and measured drawings made of the abandoned power house with a view to converting this into a machine shop.

Kings Park

Numerous sketches have been prepared for a group of modern buildings to replace several dilapidated wooden cottages. After the Board of Managers adopted sketches for this group, and on the recommendation of the Commissioner of Efficiency and Economy these were set aside and sketches prepared for additions to the four cottages constituting groups two and three.

Working drawings and specifications are in course of completion for addition to the four cottages of groups two and three. These will provide additional accommodation for chronic patients.

Long Island at Brooklyn

Working drawings and specifications have been completed for a general store house and cold storage building, and for a power house.

Manhattan at Ward's Island

Working drawings and specifications have been completed for a building to accommodate 200 patients of the acute class, 26 attendants and 1 doctor, for a building to accommodate 100 patients of the acute class, 24 attendants and 1 doctor, and for a building to accommodate 150 patients.

Following the recommendation of the Department of Efficiency and Economy sketches were prepared for an additional story to the present reception hospital building with a view to substituting this for the 200 patients' building for which working drawings and specifications had been prepared. This (third story) scheme was disapproved by the Board of Managers of the hospital.

Rochester

Working drawings have been completed for the renovating of the Smith Farm cottage and barn.

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Miscellaneous Hospitals

During the fiscal year numerous details have also been prepared for buildings under course of constuction.

CHARITABLE INSTITUTIONS

The more important building operations at the various institutions under the Charities Commission for which working drawings, specifications and details have been prepared by this division are as follows:

Batavia

Revised plans and specifications for the addition to the hospital at the New York State School for the Blind providing additional accommodation in this building for sixteen inmates.

Proposals reecived on plans previously prepared for this work exceeded the appropriation.

Bedford

The new power house now under construction at the New York State Reformatory for Women will provide adequately for the old buildings forming the administration and upper campus groups, and the new hospital and cottages 9, 10 and 11 now nearing completion. These cottages, with the new farm group comprising cottages 13 to 16 inclusive, also under contract, have been planned to meet the special requirements of this institution and furnish a standard for the correctional cottage type.

These new buildings will provide an increased accommodation for 223 inmates.

Hudson

The projected work at the New York State Training School for Girls comprises a hospital, contagious hospital, store house and laundry.

The school building and cottages 13 and 14 are under contract, the two cottages providing an increased accommodation for sixty inmates.

Industry

The addition to the hospital at the State Agricultural and Industrial School for which plans have been made comprises a frame building having a capacity of twenty-two inmates, and is to be connected with the present hospital by an enclosed passage.

Iroquois

For the Thomas Indian School sketches have been made for a store house and dairy building. Sketches also have been made for an extension of the present dairy barn to provide stalls for twenty head of cattle. All of these sketches have been submitted to the board of managers for their consideration and approval.

Letchworth Village

The work on the power house and laundry building will be advertised as soon as the project for heating and conduit systems prepared by the engineers retained by the Board of Managers has been completed and approved.

The completion of the drawings and specifications for the service building and the Attendants' Home ceased with the failure of the re-appropriation bill to provide for these buildings.

The completion of cottages A, B, C and D, now under contract will give accommodation to 280 inmates.

Napanoch

The hospital building to be erected by inmate labor, for which drawings and specifications have been made, was not provided for in the re-appropriation bill.

Newark

The new work, for which drawings and specifications are nearly completed, comprises a cottage for ninety-two inmates and a hospital with accommodation for sixty-seven patients.

The employees' building under contract is nearly ready for occupancy.

Rome

The new dormitory building, for which sketches have been prepared, is designed to accommodate 350 inmates, with dining-room and kitchen on the first floor, including nurses' and physicians' quarters.

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The additions to the cold storage building and to the power house and the alterations and rebuilding of the laundry, for which drawings have been prepared, will be undertaken by inmate labor under a special fund estimate.

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September	1	3	14	14	1	1	1	2	1	38

Hospitals	*Details*
Manhattan State Hospital at Ward's Island — Nurses' Home	21
Rochester — Nurses' Home	3
Middletown — Power house and coal shed	2
Middletown — Addition to Chronic building	2
Charities	
Bedford — Power house, cottages 9 to 16 inclusive	51
Hudson — School building	3
Hudson — Cottages 13 and 14	12
Letchworth Village — Cottages A, B, C and D	7
Newark — Employees' building	23
Universities	
Schoharie School of Agriculture	2
Miscellaneous	
Fence around battle monument at Lake George park	3
	129

Of the 97 construction specifications written 56 were for work under contract and 47 for work not under contract. The preparation of drawings for construction work as distinguished from the heating and ventilating, plumbing and electric work referred to as engineering has been accomplished with a drafting force as given below:

	Chief draftsman	Special architectural designers	Architectural designers	Draftsmen	Junior draftsmen	Tracers	Architectural expert	Structural engineers	Specification writer	Totals
1913.										
October	1	2	3	15	2	.....	.....	1	.....	24
November	1	2	3	15	2	.....	.....	1	.....	24
December	1	2	3	15	2	.....	.....	1	.....	24
1914.										
January	1	2	5	15	2	1	.....	1	.....	27
February	1	2	5	15	1	1	.....	1	.....	26
March	1	2	5	15	1	1	.....	1	.....	26
April	1	2	5	15	1	1	.....	1	.....	26
May	1	1	5	14	1	1	.....	1	.....	24
June	1	2	13	11	2	1	1	1	.....	32
July	1	2	12	13	1	1	1	2	1	34
August	1	3	13	13	1	1	1	2	1	36
September	1	3	14	14	1	1	1	2	1	38

During the latter third of the fiscal year, it was necessary to augment the force in order to relieve the congestion of accumulated work due to extra labor required by authorization of the Trustees of Public Buildings for completion of the unfinished percentage contract for the finishing of the west end of the Capitol, and the finishing of the fourth, fifth and sixth floors at such end. Preparation of plans and specifications for Capitol Reconstruction, on account of the unusual amount of measurements, checking up and patch work, has required of this office a much greater quantity of work than the contract cost of the restoration would indicate.

In three only of the 102 projects prepared has it been possible to utilize a repetition of the same design. This repetition was practicable in three of the buildings of the hospital group, four of the buildings of the farm group at Bedford Reformatory for Women, and in the troop armories at Albany and Buffalo.

STATE HOSPITALS

The more important building operations in progress at the various State Institutions under the direction of the Hospital Commission during the fiscal year are as follows:

Binghamton

Working drawings and specifications in course of completion for the new building to accommodate 282 patients of the chronic class, 25 attendants, and quarters for one doctor.

Working drawings and specifications have been completed for an addition to the laundry.

Central Islip

Working drawings and specifications have been completed for an addition to the South Colony power house to permit of increased boiler capacity. Sketches have been prepared and approved for the enlargement and renovation of the refrigerating plant and general store house.

Gowanda

Working drawings have been prepared for two reinforced concrete silos.

Hudson River

Working drawings have been prepared for the repairs to the Nurses' Cottage, and measured drawings made of the abandoned power house with a view to converting this into a machine shop.

Kings Park

Numerous sketches have been prepared for a group of modern buildings to replace several dilapidated wooden cottages. After the Board of Managers adopted sketches for this group, and on the recommendation of the Commissioner of Efficiency and Economy these were set aside and sketches prepared for additions to the four cottages constituting groups two and three.

Working drawings and specifications are in course of completion for addition to the four cottages of groups two and three. These will provide additional accommodation for chronic patients.

Long Island at Brooklyn

Working drawings and specifications have been completed for a general store house and cold storage building, and for a power house.

Manhattan at Ward's Island

Working drawings and specifications have been completed for a building to accommodate 200 patients of the acute class, 26 attendants and 1 doctor, for a building to accommodate 100 patients of the acute class, 24 attendants and 1 doctor, and for a building to accommodate 150 patients.

Following the recommendation of the Department of Efficiency and Economy sketches were prepared for an additional story to the present reception hospital building with a view to substituting this for the 200 patients' building for which working drawings and specifications had been prepared. This (third story) scheme was disapproved by the Board of Managers of the hospital.

Rochester

Working drawings have been completed for the renovating of the Smith Farm cottage and barn.

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Miscellaneous Hospitals

During the fiscal year numerous details have also been prepared for buildings under course of constuction.

CHARITABLE INSTITUTIONS

The more important building operations at the various institutions under the Charities Commission for which working drawings, specifications and details have been prepared by this division are as follows:

Batavia

Revised plans and specifications for the addition to the hospital at the New York State School for the Blind providing additional accommodation in this building for sixteen inmates.

Proposals reecived on plans previously prepared for this work exceeded the appropriation.

Bedford

The new power house now under construction at the New York State Reformatory for Women will provide adequately for the old buildings forming the administration and upper campus groups, and the new hospital and cottages 9, 10 and 11 now nearing completion. These cottages, with the new farm group comprising cottages 13 to 16 inclusive, also under contract, have been planned to meet the special requirements of this institution and furnish a standard for the correctional cottage type.

These new buildings will provide an increased accommodation for 223 inmates.

Hudson

The projected work at the New York State Training School for Girls comprises a hospital, contagious hospital, store house and laundry.

The school building and cottages 13 and 14 are under contract, the two cottages providing an increased accommodation for sixty inmates.

Industry

The addition to the hospital at the State Agricultural and Industrial School for which plans have been made comprises a frame building having a capacity of twenty-two inmates, and is to be connected with the present hospital by an enclosed passage.

Iroquois

For the Thomas Indian School sketches have been made for a store house and dairy building. Sketches also have been made for an extension of the present dairy barn to provide stalls for twenty head of cattle. All of these sketches have been submitted to the board of managers for their consideration and approval.

Letchworth Village

The work on the power house and laundry building will be advertised as soon as the project for heating and conduit systems prepared by the engineers retained by the Board of Managers has been completed and approved.

The completion of the drawings and specifications for the service building and the Attendants' Home ceased with the failure of the re-appropriation bill to provide for these buildings.

The completion of cottages A, B, C and D, now under contract will give accommodation to 280 inmates.

Napanoch

The hospital building to be erected by inmate labor, for which drawings and specifications have been made, was not provided for in the re-appropriation bill.

Newark

The new work, for which drawings and specifications are nearly completed, comprises a cottage for ninety-two inmates and a hospital with accommodation for sixty-seven patients.

The employees' building under contract is nearly ready for occupancy.

Rome

The new dormitory building, for which sketches have been prepared, is designed to accommodate 350 inmates, with dining-room and kitchen on the first floor, including nurses' and physicians' quarters.

Sonyea

The additions to the cold storage building and to the power house and the alterations and rebuilding of the laundry, for which drawings have been prepared, will be undertaken by inmate labor under a special fund estimate.

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West Haverstraw

Plans and specifications have been prepared and approved for the construction of a new solarium at the State Hospital for Crippled and Deformed Children providing for forty-eight beds.

The new hospital building to be advertised shortly will provide for thirty-two beds.

Yorktown Heights

This project, by Mr. William A. Delano, provides for the construction of seven cottages for boys and a power house at the State Training School for Boys.

Schoharie

The work on the School of Agriculture has been recommenced after a long delay in the approval of the contract.

Cornell

The Legislature of 1914 authortized the trustees of the university to enter into contracts for the construction and equipment of a drill hall not to exceed $350,000. This drill hall was designed to provide for the military training of a student battalion of 1,500. The contract drawings were completed and the work advertised September 4, 1914, and the estimates received on September 28, 1914, will permit of the award of the contracts for this work.

In the extension of the New York State College of Agriculture at Cornell University drawings and specifications have been prepared for a tool barn, plant pathology building, a poultry husbandry group, additions to the greenhouses, a piggery and sheep barn, alterations to the animal husbandry building, and sketches for a typical rural schoolhouse.

Delhi

Sketch plans for the entire development of the proposed School of Agriculture and Domestic Science, and detail sketch plans for the dairy building to be built with the balance of the appropriation have been submitted and approved by the board of control.

Farmingdale

Plans and specifications have been completed and contracts awarded for the construction of a dormitory building accommodat-

fifty-six students, the horticulture building, the agronomy lding, the power house and the director's residence.

Plans and specifications were also completed for the three types cottages for the girls' group. Sketches have been completed for e dairy barn, farm mechanics, science building, refectory, and e development of the grounds.

Syracuse University

Contracts were awarded for the construction of the college of orestry building at Syracuse University.

NORMAL SCHOOLS

Buffalo

Drawings were prepared and contracts awarded for the demolition of the old school building and the grading of the grounds at the State Normal School at Buffalo and the construction of a porch for the principal's residence.

Brockport

Contracts were awarded for the construction of fire escapes at the Brockport Normal School.

CAPITOL

Drawings and specifications were prepared for the completion of the unfinished work of the percentage contract of the Capitol reconstruction; drawings and specifications were prepared and contracts awarded for the finishing of the fourth, fifth and sixth floors, and details furnished for the refinishing of the Assembly chamber.

Drawings and specifications were prepared and estimates received for the utilization of the attic space over the Senate chamber as offices of the State Board of Health.

Drawings were prepared showing the development of the proposed Capitol park extending from the Capitol to Swan street.

CAPITOL POWER HOUSE

Plans and specifications were prepared and estimates received for a fence enclosing the Capitol power house grounds.

EDUCATION BUILDING

Plans and specifications were prepared and contract awarded for the type "AA" museum cases.

Plans and specifications were also prepared for the Iroquois Indian exhibit.

ARMORIES

Plans and specifications were prepared and contracts awarded for the construction of an armory at Albany for Troop "B," First Cavalry, N. G., N. Y.

With slight modifications, the above plans of Troop "B" armory will be used for the construction of the armory at Buffalo for Troop "I," First Cavalry, N. G., N. Y.

Sketches have been submitted to the Armory Commission for the proposed armory at Yonkers for Company "G," Tenth Infantry, N. G., N. Y., and at Avon for Troop "M," First Cavalry, N. G., N. Y.

MISCELLANEOUS

Plans and specifications have been made for the Dexter Game Farm to be constructed by the Conservation Commission, the Barn and Labor Center at the State Reservation at Niagara and the teacher's cottage and school building at Onondaga.

Contracts have been made for the restoration of the General Herkimer Home near Little Falls, Washington's Headquarters at Newburgh, and the construction of a caretaker's cottage at the Schuyler Mansion, Albany.

Sketches have been prepared for the proposed bottling establishment and the Magnetic Springs bathhouse at Saratoga Reservation and details made for the Lake George battle monument fence.

HOSPITALS

	Sketches	Working drawings	Details
Binghamton:			
Chronic building	18	11	.....
Addition to laundry	.....	5	.....
Addition to blacksmith shop	.....	1	.....
Track girders for railroad switch	.....	1	.....
Central Islip:			
Addition to power house	2	3	.....
Refrigeration plant	7	.....	.....
Addition to administration building	2	.....	.....
Gowanda: Silos	.....	1	.....
Hudson River:			
Nurses' cottage	.....	2	.....
Carpenter shop and boiler house	.....	2	.....
Addition Edgewood group	.....	.....	2
Kings Park:			
Additional accommodation chronic patients:			
Scheme A — new group	.....	8	.....
Scheme B — addition to old buildings	.....	6	.....
Long Island at Brooklyn:			
Storehouse and cold storage building	3	3	.....
Powerhouse	11	6	4
Kitchen and dining room	1	.....	.....
Fire escapes — main building	1	1	.....
Long Island at Creedmore: Repairs to patients' cottage	.....	1	.....
Manhattan at Ward's Island:			
Accommodation for 200 patients	4	12	.....
Accommodation for male patients:			
Scheme A — building for 100 acute patients	3	12	.....
Scheme B — additional story on reception hospital	3	.....	.....
Nurses' home	.....	.....	21
Rochester:			
Renovating Smith farm cottage and barn	.....	7	.....
Nurses' home	.....	.....	3
Middletown:			
Powerhouse and coal shed	.....	.....	2
Addition to chronic building	.....	.....	2
Totals	55	82	34

CHARITIES

Batavia: Addition to hospital	.....	9	.....
Bedford:			6
Powerhouse	6	10	51
Hospital cottages, 9 to 16, inclusive	.....	.....	
Elmira: Poultry house	.....	1	.....
Hudson Training School:			
Laundry	1	.....	.....
Contagious hospital	3	2	.....
Storehouse	2	3	.....
Hospital	35	7	2
School building	.....	.....	3
Stuyvesant hospital and icehouse razing	.....	3	.....
Cottages 13 and 14	.....	.....	12
Industrial building shoring	.....	2	.....
Industry: Hospital addition	.....	6	.....
Iroquois:			
Storehouse and dairy building	8	.....	.....
Addition to barn	4	.....	.....
Letchworth Village:			
Laundry	.....	7	.....
Service building	.....	7	.....
Cottages A, B, C and D	.....	.....	7
Powerhouse	1	2	.....
Attendants' home	3	.....	.....
Napanoch: Hospital	.....	8	.....
Newark:			
Building for 92 patients	.....	17	.....
Hospital	13	.....	.....
Employees' building	.....	.....	23
Domitory building	81	.....	.....

CHARITIES — *Continued*

	Sketches	Working drawings	Details
Sony a:			
Addition to cold storage building	.....	6	.....
Addition to powerhouse	.....	6	1
Alterations and rebuilding laundry	.....	4	.....
West Haverstraw:			
Hospital	.....	9	.....
Solarium	.....	.....	2
Yorktown Heights:			
Cottages for boys } Project by Delano {	.....	.....	.....
Powerhouse } Project by Delano {	.....	.....	.....
Totals	157	109	107

PRISONS

Great Meadow:			
Physicians' cottage	2	4	1
Principal keepre's cottage	1	5	.....
Miscellaneous	.....	5	1
Sing Sing: Blacksmith shop	1	7	.....
Totals	4	21	2

UNIVERSITIES, ETC.

Schoharie: School of Agriculture	.....	.....	2
Cornell:			
Drill hall	110	17	2
Tool barn	3	2	.....
Plant pathology building	4	5	.....
Poultry husbandry building	5	4	2
Greenhouses	3	4	2
Piggery and sheep barn	3	2	2
Alterations animal husbandry	2	3	1
Rural school house	2	.....	.....
Delhi: Dairy building	5	.....	.....
Farmingdale:			
Dairy barn	5	.....	.....
Grounds	3	2	.....
Farm mechanics	17	.....	.....
Science building	4	.....	.....
Refectory	10	.....	.....
Director's residence	6	2	10
Horticulture building	4	4	} 13
Agronomy building	5	4	} 13
Power house	2	8	1
Cottages A, B and C	8	6	.....
Dormitory	3	6	.....
Syracuse University: Forestry building	6	29	22
Totals	211	98	57

NORMAL SCHOOLS

Buffalo: Demolition old building and grading; porch on principal's residence	1	1	.....
Brockport: Fire escape	.....	1	.....
Totals	1	2	.....

CAPITOL, ETC.

	Sketches	Working drawings	Details
Finishing 3d floor	8	1	27
Finishing 4th, 5th and 6th floors	.....	22	50
Refinishing Assembly chamber	.....	.....	4
Decorating Speaker's and Clerk's office	1	.....	.....
Assembly document room equipment	2	1	.....
Department of Health offices	3	3	.....
State Department of Architecture	.....	2	.....
Miscellaneous	.....	5	.....
Park	3	.....	.....
Totals	17	34	81

CAPITOL POWERHOUSE

New fence	1	1	.....

EDUCATION BUILDING

Museum cases, type "AA"	.....	1	.....
Indian cases	6	2	.....
Totals	6	3	.....

STATE HOUSE

New partitions	3	2	.....

ARMORIES

Albany, Troop "B" (New)	5	19	29
Buffalo, Troop "I" (New)	8	.....	.....
Yonkers (New)	41	.....	.....
Wadsworth, Avon armory	26	.....	.....
Totals	80	19	29

MISCELLANEOUS

General Herkimer Home, repairs	.....	3	2
Onondaga, teacher's cottage and school building	9	4	.....
Newburgh, restoration of Washington's headquarters	4	4	.....
Niagara Reservation, barn	5	5	.....
Saratoga Reservation, new bottling plant	1	1	.....
Magnetic spring bath house	4	.....	.....
Schuyler Mansion, caretaker's cottage	12	6	.....
Dexter game farm, superintendent's residence and barn	14	.....	.....
Lake George park	.....	.....	3
Totals	49	23	5

Total number of sketches*	581
Total number of working drawings	394

101 projects of which 58 are new.

*Work listed in 12 constructions for details only. Not included in the above count of 101.

ENGINEERING DIVISION

SANITARY, ELECTRIC, HEATING

The engineering work, almost two years behind the appropriations, has been brought forward by reorganization of the division and the establishment of new methods during the fiscal year just closed. To a considerable extent the standard specifications have been rewritten, making it possible to carry out the work more advantageously. The adoption of a card system in the preparation of such specifications has not only expedited the work but has made it more uniform.

In preparing plans and specifications for work covered by appropriations particular attention has been paid to the development of a policy tending to eliminate duplication of such work later on. This is particularly noticeable in the work laid out for the School of Agriculture on Long Island, for which complete plans were prepared for covering future heating, electric and sanitary needs of the entire institution.

Considerable study has been made of the underlying principles of forced hot water and steam heating systems for new institutions now being designed. Of these institutions, four, the State Reformatory at Bedford, Letchworth Village, Long Island Agricultural School and the Training School for Boys at Yorktown Heights, have already been designed, and two of them, Bedford and Farmingdale, under contract for forced water systems, being an entirely new development in State institutions.

Two systems are proposed for Bedford, checking figures after compilation. These cover the new circular group of buildings, known as the upper campus, to be heated by forced hot water, and the lower campus group, also circular, to be heated by low pressure steam with separate mains for each group from the power house. Each main is to be separately metered and records kept by self-recording instruments of all the underlying factors in connection with the operation of this plant. As records of this character are not in existence, it is proposed to use this plant as a laboratory for trying out new developments for other institutions. It is believed that the result of the experiments will not only reduce the present cost and provide for additional accommodations but pro-

vide records making it possible to reduce the maintenance cost of plants designed for other institutions.

The following installations, which have been placed under contract, are worthy of mention:

CRAIG COLONY FOR EPILEPTICS — SONYEA

A central lighting plant was located at the lowest point of the institution. The machinery had long served its life and appropriations had been made to replace with more modern equipment. Studies not only to replace this equipment but to at some future time heat the entire Colony from this plant were made. A unit design was prepared to form the basis of a future development for a central heating plant. This work is under contract and will be in operation soon. Also, a water filtration plant was contracted for and the sewerage disposal plant completely remodeled. It is suggested that money be appropriated for a central heating plant for this institution, thereby effecting considerable saving.

SCHOOL OF FORESTRY, SYRACUSE UNIVERSITY

This entirely new building, devoted to the study of forestry, is of schoolhouse type; the contract calling for a modern system of heating, ventilation, lighting and plumbing possesses one of the two first installations in the State of thermostatic controlled apparatus for heating. The original design called for an air washer whereby the air could be recirculated in extreme cold weather. Limited funds caused the elimination of this apparatus. Space was left so that same can be installed at a future date.

LONG ISLAND STATE HOSPITAL — BROOKLYN

This institution derived its power from a heating and lighting plant very much out of repair. Contracts providing for an entirely new building for a central heating and lighting plant with equipment have been let. The water tube boilers with underfeed stokers, direct connected engines and generators, suction ash conveying apparatus, space for central refrigeration plant and the central domestic water heating plant apparatus are all located in the new power house. Although the per capita cost of coal per year at this institution is very low, due to the minimum length of

distribution of steam mains over practically all the other institutions throughout the State, it is anticipated that further reduction in cost of per capita coal consumption will be made with the new plant.

STATE SCHOOL OF AGRICULTURE — FARMINGDALE

There has been placed under contract for this institution complete new central heating and lighting plant, together with the heating, lighting and plumbing work in connection with numerous new buildings now under construction. Considerable underground heating mains have been installed, so that this institution can be developed without any great aditional expenditure for engineering underground service, this Department taking the stand that this is the basis on which an institution should be built for proper future development. A summary of the engineering at this institution follows:

Water supply.— The water is to be pumped from artesian wells by an air lift (the air pump being located in the power house) and raised to an underground concrete reservoir. From there it will be pumped to an elevated storage tank located on one of the hills at the rear of the property; thence it will be distributed to one of the underground water mains connected to the different buildings and fire hydrants located about the grounds.

Sewerage disposal.— The main trunk systems with laterals for present buildings have been installed, which will lead to a sewerage disposal plant consisting of an electrolytic outfit, where the sewerage will be made sterile and then pumped to the farm land for irrigation purposes. This will, on account of the sandy soil found at this institution, aid materially in its agricultural development.

FARMINGDALE

Heating

The heating here is by forced hot water, the buildings being so arranged that the entire institution can be supplied with heat by two pipe loops installed underground in sectional tile conduits with concrete chambers located at proper points so as to take up pipe expansion. Paralleling the underground heating mains and in the same conduit are installed the domestic hot water mains, the entire service being supplied from a central plant.

Boiler Plant

The boiler plant consists of water tube boilers with underfeed stokers, the boiler-room being so arranged that extension to the end of the boiler-room can be made from time to time as the institution increases in size.

Electric Plant

The electric service is supplied from central plant located in the power house with direct connected generators, 3-phase, 60 cycle, 2300 volt. From main marble switchboard located in engine room underground feeders will be run to transformer vaults located in the building. Main underground ducts for present and future lines are to be installed so that the main campus grounds will not have to be dug up to install future feeders. Provision is also made for a future series, incandescent ground lighting system.

TROOP "B" ARMORY

Engineering plans covering the heating, plumbing and electric work have been prepared, one of the features of these plans being that the drill shed is to be lighted by flaming arcs, this form of lighting having an advantage where tanbark floors are installed.

GREAT MEADOW PRISON

At this institution there has been installed a compression refrigeration plant.

CORNELL UNIVERSITY — NEW YORK STATE DRILL HALL

Engineering plans have been prepared for this work covering the heating, electric and sanitary work, points of interest being that this building is to be heated from the central plant by an underground steam main approximately a quarter of a mile long. After a study of the situation it was found that for this particular armory the new nitrogen incandescent lamps were the most satisfactory lighting for the drill shed and the plans were laid out for the installation of ninety-six 750 watt lamps.

HUDSON

Three hundred H. P. additional boiler capacity has been added at this institution with underfeed stokers with blower of sufficient capacity to operate the entire boiler plant.

Albany, Troop B Armory (1864)	$5,584 70
Bedford (1875), piping and conduit, new boiler plant	67,937 00
Capitol (1912), bracing fire line	417 00
Long Island (1909), boilers, equipment and conduit for new power house	66,000 00
Hudson (1878), new boilers	7,589 00
Farmingdale (1897), heating horticultural building, agronomy building and director's residence	6,824 00
Bath (1738), boilers	4,374 00
Farmingdale (1931), boiler plant, piping and conduit, central heating and lighting plant	103,000 00
Capitol (1969), remodelling heating, offices 407, 408 and 409	395 00
Schuyler mansion (2044), heating work	1,700 00
Manhattan (2003), repairs to 12-inch main under river	2,200 00
Great Meadow (1990), refrigeration	16,300 00
Fredonia (2019), new boilers	7,490 00
Capitol (1991), heating new quarters for the board of health	19,858 00
Potsdam (2033), new boilers	2,680 74
Cornell (2035), heating, New York State drill hall	39,427 00
Gowanda (1741-A), additional boiler capacity	7,489 00
	$458,282 00

PLUMBING

Buffalo Hospital (1789), plumbing, refrigeration plant	$562 00
Sonyea (1815), plumbing and drainage, new power house	1,645 00
Letchworth Park (1832), plumbing, drainage and gas piping for alterations to "Old Homestead"	825 00
Ward's Island (1828), outside water, sewer and storm water piping for nurses' home	1,900 00
Bedford, sewage disposal plant	37,993 00
Syracuse (1852), plumbing and gas fitting for College of Forestry	9,280 00

Troop "B" Armory (1865), plumbing, Troop "B" Armory	$7,375 00
Buffalo Hospital (1873), changes in laundry and new machinery	5,098 00
Bedford (1876), plumbing for new power house	2,719 00
Rochester (1894), new sewage pumping station	4,300 00
Long Island (1910), plumbing, power house	3,150 00
Farmingdale (1898), horticultural building, agronomy building and director's residence	3,376 00
Farmingdale (1902), water supply works	11,920 00
Farmingdale (1932), power house plumbing	1,320 00
Capitol (2034), plumbing, new quarters for State Department of Health	1,327 00
Schuyler mansion and caretaker's cottage (2045), plumbing work	1,190 00
Farmingdale (1901), sewerage and sewage disposal plant	44,387 00
Cornell (2036), plumbing work, New York State drill hall	12,537 00
	$150,904 00

SANITARY

Capitol (2024), new lavatories	1,291 00
West Haverstraw (1999), plumbing work for Solaria	1,340 00
Bedford (1913), water supply for farm group	6,251 00
	$160,056 00

ELECTRIC

Manhattan Hospital, fire alarm system	$9,564 79
Capitol (1917), electric wiring, west wing	11,775 00
Capitol (1824), lighting fixtures, west wing	27,995 00
Sonyea (1816), central heating and lighting plant	8,030 00
Syracuse (1853), electric work, College of Forestry	5,418 00
Bedford (1765), electric work, seven cottages and hospital	2,949 19
Capitol (1885), electric wiring and fixture hoists	3,192 00

Albany, Troop B Armory (1864)	$5,584 70
Bedford (1875), piping and conduit, new boiler plant	67,937 00
Capitol (1912), bracing fire line	417 00
Long Island (1909), boilers, equipment and conduit for new power house	66,000 00
Hudson (1878), new boilers	7,589 00
Farmingdale (1897), heating horticultural building, agronomy building and director's residence	6,824 00
Bath (1738), boilers	4,374 00
Farmingdale (1931), boiler plant, piping and conduit, central heating and lighting plant	103,000 00
Capitol (1969), remodelling heating, offices 407, 408 and 409	395 00
Schuyler mansion (2044), heating work	1,700 00
Manhattan (2003), repairs to 12-inch main under river	2,200 00
Great Meadow (1990), refrigeration	16,300 00
Fredonia (2019), new boilers	7,490 00
Capitol (1991), heating new quarters for the board of health	19,858 00
Potsdam (2033), new boilers	2,680 74
Cornell (2035), heating, New York State drill hall	39,427 00
Gowanda (1741-A), additional boiler capacity	7,489 00
	$458,282 00

PLUMBING

Buffalo Hospital (1789), plumbing, refrigeration plant	$562 00
Sonyea (1815), plumbing and drainage, new power house	1,645 00
Letchworth Park (1832), plumbing, drainage and gas piping for alterations to "Old Homestead"	825 00
Ward's Island (1828), outside water, sewer and storm water piping for nurses' home	1,900 00
Bedford, sewage disposal plant	37,993 00
Syracuse (1852), plumbing and gas fitting for College of Forestry	9,280 00

Troop "B" Armory (1865), plumbing, Troop "B" Armory	$7,375 00
Buffalo Hospital (1873), changes in laundry and new machinery	5,098 00
Bedford (1876), plumbing for new power house	2,719 00
Rochester (1894), new sewage pumping station	4,300 00
Long Island (1910), plumbing, power house	3,150 00
Farmingdale (1898), horticultural building, agronomy building and director's residence	3,376 00
Farmingdale (1902), water supply works	11,920 00
Farmingdale (1932), power house plumbing	1,320 00
Capitol (2034), plumbing, new quarters for State Department of Health	1,327 00
Schuyler mansion and caretaker's cottage (2045), plumbing work	1,190 00
Farmingdale (1901), sewerage and sewage disposal plant	44,387 00
Cornell (2036), plumbing work, New York State drill hall	12,537 00
	$150,904 00

SANITARY

Capitol (2024), new lavatories	1,291 00
West Haverstraw (1999), plumbing work for Solaria	1,340 00
Bedford (1913), water supply for farm group	6,251 00
	$160,056 00

ELECTRIC

Manhattan Hospital, fire alarm system	$9,564 79
Capitol (1917), electric wiring, west wing	11,775 00
Capitol (1824), lighting fixtures, west wing	27,995 00
Sonyea (1816), central heating and lighting plant	8,030 00
Syracuse (1853), electric work, College of Forestry	5,418 00
Bedford (1765), electric work, seven cottages and hospital	2,949 19
Capitol (1885), electric wiring and fixture hoists	3,192 00

Buffalo Normal (1862), electric work	$10,000 00
Troop "B" Armory, electric work	2,261 00
Binghamton (1872), reconstruction of electric lighting system	31,870 00
Bedford (1877), new electric plant, feeder and cables and electric wiring	10,283 00
Kings Park (1887), new elevators and wiring thereto	18,330 00
Long Island (1911), power house equipment and underground conduit	8,890 00
Malone (1915), electric generator equipment	2,200 00
Farmingdale (1899), electric work, horticultural building, agronomy building and director's residence	2,831 00
Newburgh (1926), restoration of Washington's headquarters	100 00
Capitol (1914), Assembly Chamber, intercommunicating telephone system	108 00
Farmingdale (1933), electric work, central heating and lighting plant	10,345 00
Capitol (1954), electric work, rooms 407, 408 and 409	944 00
West Haverstraw (2000), electric wiring in solarium	696 00
Rochester (1960), additional laundry equipment	5,298 00
Great Meadow (2004), refrigeration building	1,389 00
Capitol (1993), electric wiring, new quarters for Department of Health	1,717 00
Cornell (2037), electric wiring, New York State drill hall	9,698 00
Schuyler mansion and caretaker's cottage (2046), electric work	224 00
	$186,107 98

SPECIFICATIONS WHICH HAVE BEEN PREPARED, WITH ESTIMATED COST OF SAME

HEATING

Poughkeepsie (1812), coal and ash apparatus.....	$18,000 00
Johnstown (1778), heating for Sir William Johnson mansion and caretaker's cottage.....	2,800 00
Kings Park (1796), refrigeration machinery.....	2,500 00
Hudson (1818), alterations to administration building, heating	175 00
State House (1826), new steam radiators.....	100 00
Napanoch (1783), heating for hospital building...	7,000 00
Newark, reconstruction of central heating plant...	30,000 00
Sonyea (1887), machinery and equipment, cold storage building	10,000 00
Newark (1890), cottages for 92 inmates.....	7,000 00
Troop " B " Armory, heating.....	5,584 00
Binghamton, laundry	10,000 00
Binghamton, heating laundry.....	1,000 00
Ward's Island (1946), 100 patients.....	11,500 00
Ward's Island (1942), 200 patients.....	16,500 00
Rochester (1971), garden cottage.....	700 00
West Haverstraw (1998), solaria.....	1,200 00
Matteawan (1949), refrigeration.....	9,000 00
Matteawan (2005), heating	3,000 00
Farmingdale (2014), heating 5 cottages and 1 dormitory	18,000 00
Comstock (2001), warden's house.....	1,600 00
Capitol (2066), additional heating, west wing....	4,000 00
Batavia (2067), hospital building.....	1,200 00
Buffalo, Troop " I " Armory (2060).....	6,000 00
Central Islip (2072), additional boiler capacity...	22,000 00
West Haverstraw (2081), heating hospital.....	2,000 00
Onondaga, school and teachers' cottage (1980)....	4,000 00
Capitol power house (2091), additional radiation.	700 00
Cornell (2088), poultry building.....	5,500 00
Letchworth Village (2109), laundry.....	4,000 00
Schuyler mansion and caretaker's house.....	400 00
Hudson (1975), refrigeration	14,700 00

Hudson (1976), heating storehouse	$3,151 00
Hudson, contagious hospital	5,340 00
Bath (2051), underground piping	5,963 00
Hudson (2038), hospital heating	3,680 00
Bedford (2094), boiler plant equipment	5,000 00
Gowanda (1741-A), underground steam connections	6,000 00
	$249,293 00

PLUMBING

Buffalo Institute, sewage disposal plant for bungalo at Springville	$500 00
Ogdensburg (1791), water softening plant	7,000 00
Ogdensburg (1796), water softening plant	7,000 00
Middletown (1733), industrial building	800 00
Great Meadow, officers' cottages	10,000 00
Hudson (1817), changes to administration building	300 00
Sonyea, cold storage plant	696 00
Sir Wm. Johnson mansion (1779), plumbing and sewage disposal, caretaker's cottage	1,283 00
Raybrook (1833), new plumbing and tile floors for toilet connections for east and west wings	5,600 00
Bedford, temporary chlorinating plant	200 00
Bedford (1856), additions and alterations, sewage disposal plant	10,000 00
Buffalo Normal, addenda to specifications for plumbing	1,365 00
Napanoch (1784), plumbing work for hospital building	7,000 00
Auburn (1888), alterations to screening chamber	45 00
Newark (1891), cottage for 92 inmates	6,400 00
Troop "B" Armory, plumbing	7,300 00
Bedford, sewage disposal plant	30,000 00
Ward's Island (1947), 100 patients' building	10,000 00
Rochester (1972), garden cottage	600 00
Ward's Island (1943), 200 patients	14,000 00
Hudson (1924), plumbing, contagious hospital	2,888 00
Hudson (1977), refrigeration building	1,117 00
	$125,594 00

SANITARY

Hudson (2039), plumbing, new hospital	$6,153 00
Farmingdale, 5 cottages and dormitory	9,000 00
Bedford, increased water supply	3,000 00
Matteawan (1949), refrigeration equipment, storehouse	2,500 00
Buffalo Hospital, water softener	7,000 00
Niagara reservation (2042), barn	900 00
Newark (2077), 92 inmates	6,400 00
Buffalo, Troop "I" Armory (2061)	2,000 00
Batavia (2068), alteration and additions to hospital	3,200 00
Rochester (1956), plumbing, north building	10,000 00
Cornell, poultry building (2089)	3,000 00
Onondaga (1981), school building	1,500 00
Kings Park, storage tank	5,000 00
Morrisville, water supply	5,000 00
Schuyler mansion	500 00
	$190,747 00

ELECTRIC

Middletown, industrial building	$600 00
Hudson, door signal system	3,000 00
Hudson, addenda to door signal system	700 00
Great Meadow, officers' cottages	5,000 00
Sir Wm. Johnson mansion (1780), electric work in caretaker's house	350 00
Sonyea, cold storage plant	400 00
Napanoch (1785), hospital building	2,200 00
Forty-seventh Regiment drill shed lighting	1,500 00
Kings Park, underground feeder system	25,000 00
Hudson (1861), quadrangle lighting	1,200 00
Letchworth Village, service building	1,000 00
Newark (1978), cottage for 92 inmates	1,587 00
Buffalo Hospital, extension to feeder system	520 00
Farmingdale, 5 cottages and 1 dormitory	2,289 00
Troop "B" Armory (1868), electric work	2,261 00
Capitol, wiring west wing	25,000 00

Senate, intercommunicating telephone system (1938)	$108 00
Capitol, contractor's hoist	1,650 00
Ward's Island (1958), 100 patients	3,000 00
Ward's Island (1944), 200 patients	4,000 00
Capitol (1955), moving motor generators	2,107 00
Capitol (1989), remodeling electric lighting fixtures, east approach	7,000 00
Matteawan (1950), refrigeration building	400 00
Hudson (2028), fire alarm system	8,000 00
Hudson (1925), electric work, contagious hospital	1,465 00
Hudson (1978), electric work, storehouse	1,053 00
Hudson (2041), elevators	2,893 00
Hudson (2040), electric work, new hospital	3,096 00
Bath (2063), new generators and ground lighting	10,489 00
Buffalo Normal (2026), interior telephones, clocks, program bells and fire alarm system	5,290 00
Batavia (2069), hospital building	400 00
Twenty-third Regiment Armory	3,000 00
Baffalo Normal (2017), electric fixtures	7,500 00
Troop "I" Armory (2062)	2,261 00
Newark (2078), building for 92 inmates	1,587 00
West Haverstraw (2084), elevators	3,600 00
Iroquois Indian exhibit (2095)	750 00
Capitol (2087), Assembly Record rooms	75 00
Capitol, painting room 608	200 00
Bedford (2103), ground lighting	4,500 00
Cornell (2090), poultry building	460 00
Bath, elevators	3,900 00
	$151,391 00

REPORTS, ETC., WHICH HAVE BEEN MADE RELATIVE TO FUTURE POLICY OF INSTITUTION

Bath, report on central heating and power plant.

Buffalo Hospital, water softening plant.

Kings Park, plans and study of present feeder system for entire institution.

Letchworth Village, study for heating of institution.

Mohansic scheme for sewage disposal.

Schedule of equipment and operating conditions at all institutions.

SUMMARY

OCTOBER 1, 1913, TO OCTOBER 1, 1914

Number of Plans and Specifications Prepared

Heating	61
Sanitary	59
Electric	67
	187
Reports	6

Cost of Work Under Contract

(Number of contracts under way, 69)

Heating	$458,283 44	
Sanitary	160,056 00	
Electric	186,107 98	
		$804,446 42

Estimated Cost of Work Not Under Contract

Heating	$249,293 00	
Sanitary	190,747 00	
Electric	151,391 00	
		591,431 00
Grand total		$1,395,877 42

Working drawings completed, 474.

APPENDIX A

OFFICE MAINTENANCE

Payrolls from October 1, 1913, *to September* 30, 1914

October, 1913	$8,631 54	
November, 1913	9,205 89	
December, 1913	9,946 61	
January, 1914	10,958 60	
February, 1914	8,964 50	
March, 1914	8,646 42	
April, 1914	9,632 86	
May, 1914	9,412 02	
June, 1914	10,666 28	
July, 1914	11,468 61	
August, 1914	12,678 95	
September, 1914	13,378 03	
Total	$123,590 31	
Appropriated by chapter 792, Laws 1913	$116,390 00	
Appropriated by chapter 546, Laws 1912, balance	1,155 20	
Appropriated by chapter 530, Laws 1914	29,120 25	
		$146,665 45
Reappropriated for contingent		7,732 83
		$138,932 62
Paid		123,590 31
Balance October 1, 1914		$15,342 31

OFFICE EXPENSES

From October 1, 1913, *to September* 30, 1914

October, 1913	$598 16	
November, 1913	893 72	
December, 1913	923 44	
January, 1914	713 54	
February, 1914	676 51	
March, 1914	477 66	
April, 1914	1,166 66	
May, 1914	349 24	
June, 1914	55 73	
July, 1914	145 12	
August (contingent).		
September (contingent).		
Total	$5,999 78	
Appropriated by chapter 792, Laws 1913	$6,000 00	
Appropriated by chapter 546, Laws 1912, balance	03	
	$6,000 03	
Reappropriated by chapter 530, Laws 1914		$6,000 03
Expenses from October 1, 1913, to September 1, 1914		5,999 78
Balance September 30, 1914		$0 25

TRAVELING EXPENSES

October 1, 1913, *to September* 30, 1914

October, 1913	$1,408 53	
November, 1913	1,063 96	
December, 1913	1,038 97	
January, 1914	935 21	
February, 1914	552 41	
March (contingent).		
April (contingent).		
May (contingent).		
June (contingent).		
July (contingent).		
August (contingent).		
September (contingent).		
Total	$4,999 08	
Appropriated by chapter 792, Laws 1913	$5,000 00	
Appropriated by chapter 546, Laws 1912, balance	06	
		$5,000 06
Expenses from October 1, 1913, to September 30, 1914		4,999 08
Balance October 1, 1914		$0 98

(Reappropriated for contingent.)

CONTINGENT

Chapter 791, *Laws* 1913

Deficiencies in office expenses, traveling expenses, contingent fund, and for salaries of draftsmen, tracers and employees:

October, 1913	$3,616 76
November, 1913	2,391 80
December, 1913	2,021 29
January, 1914	1,712 59

February, 1914	$1,513 82	
March, 1914	1,556 90	
April, 1914	2,231 36	
May, 1914	2,324 14	
June, 1914	2,294 54	
July, 1914	1,482 88	
August, 1914	1,726 44	
September, 1914	3,062 57	
Total	$25,935 09	
Appropriated by chapter 791, Laws 1913, balance	$15,674 51	
Appropriated by chapter 792, Laws 1913	6,000 00	
Appropriated by chapter 530, Laws 1914	8,834 76	
		$30,509 27
Expenses from October 1, 1913, to September 30, 1914		25,935 09
Balance October 1, 1914		$4,574 18
Chapter 530, Laws 1914, New York office, appropriation		$1,250 00
Paid		390 63
Balance October 1, 1914		$859 37

RECAPITULATION

Office maintenance	$123,590 31
Office expenses	5,999 78
Traveling expenses	4,999 08
Contingent fund	25,935 09
New York office	390 63
Total	$160,914 89

TRAVELING EXPENSES

October 1, 1913, *to September* 30, 1914

October, 1913	$1,408 53	
November, 1913	1,063 96	
December, 1913	1,038 97	
January, 1914	935 21	
February, 1914	552 41	
March (contingent).		
April (contingent).		
May (contingent).		
June (contingent).		
July (contingent).		
August (contingent).		
September (contingent).		
Total	$4,999 08	
Appropriated by chapter 792, Laws 1913	$5,000 00	
Appropriated by chapter 546, Laws 1912, balance	06	
		$5,000 06
Expenses from October 1, 1913, to September 30, 1914		4,999 08
Balance October 1, 1914		$0 98

(Reappropriated for contingent.)

CONTINGENT

Chapter 791, *Laws* 1913

Deficiencies in office expenses, traveling expenses, contingent fund, and for salaries of draftsmen, tracers and employees:

October, 1913	$3,616 76
November, 1913	2,391 80
December, 1913	2,021 29
January, 1914	1,712 59

February, 1914	$1,513 82	
March, 1914	1,556 90	
April, 1914	2,231 36	
May, 1914	2,324 14	
June, 1914	2,294 54	
July, 1914	1,482 88	
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Appropriated by chapter 530, Laws 1914	8,834 76	
		$30,509 27
Expenses from October 1, 1913, to September 30, 1914		25,935 09
Balance October 1, 1914		$4,574 18
Chapter 530, Laws 1914, New York office, appropriation		$1,250 00
Paid		390 63
Balance October 1, 1914		$859 37

RECAPITULATION

Office maintenance	$123,590 31
Office expenses	5,999 78
Traveling expenses	4,999 08
Contingent fund	25,935 09
New York office	390 63
Total	$160,914 89

APPENDIX B

STATEMENT OF CONTRACTS IN FORCE AND CONTRACTS COMPLETED DURING THE FISCAL YEAR ENDING SEPTEMBER 30, 1914

STATE HOSPITALS

Binghamton

Building	Work	Contractor	Contract	Certificates
*.....	Reconstruction, electric light system.....	Lord Electric Co.....	$31,870 00	
*.....	Steam and exhaust piping.	Edward Joy Co.....	7,900 00	

Buffalo

Building	Work	Contractor	Contract	Certificates
* Main building....	Laundry machinery.....	American Laundry Machinery Co.....	$5,098 00	
* Main building....	Four verandas.....	C. H. Everitt.....	10,641 00	
		Addition	20 00	
			$10,661 00	
Cold storage building.....	Floor drains, etc.....	S. Wright.....	562 00	$562 00
* Tuberculosis pavilions.....	Construction.....	C. H. Everitt.....	26,611 00	
		Addition	215 00	
			$26,826 00	
		Deduct	22 00	
			$26,804 00	21,061 30
* Tuberculosis pavilions.....	Electric work.....	Roberteon-Electric Construction Co.....	797 00	
Tuberculosis pavilions.....	Heating work	R. T. Ford Co.....	2,000 00	2,000 00
Tuberculosis pavilions.....	Plumbing work.....	P. J. Thomas.....	3,197 50	
		Addition	450 00	
			$3,647 50	3,647 50
.....	Refrigerating apparatus..	Steele & Condict.....	12,300 00	
		Deduct	65 00	
			$12,235 00	12,235 00

* An asterisk indicates t' at the contract was in force September 30, 1914.

Long Island State Hospital

Building	Work	Contractor	Contract	Certificates
* Power house.....	Construction.....	P. Keeler Bldg. Co.....	$45,833 00	
*.....	Plumbing.....	P. Keeler Bldg. Co....	3,150 00	
*.....	Changing doors.....	Eastern Fireproof Sash & Door Co.....	864 00	
*.....	Electric equipment, and conduit.....	L. H. Woods.....	8,890 00	
*.....	Boilers.....	A. Winternits.....	66,000 00	

Gowanda

Building	Work	Contractor	Contract	Certificates
*.....	Additional boiler capacity.	Ralph Standing.....	$7,489 00	

Hudson River

Building	Work	Contractor	Contract	Certificates
Power house.....	Coagulant apparatus.....	A. T. Essery.....	$950 00	
		Addition	31 47	
			$981 47	$981 47
* Improvement of water supply.....	.....	A. T. Essery.....	29,385 00	
		Addition	2,907 00	
			$32,292 00	30,555 96
Power house.....	Repairs to power plant...	Gaylord & Eitapenc Co.	1,100 00	1,100 00
.....	Motors, etc. for sewerage system.....	Frost & Sheldon.....	1,450 00	
		Addition	1,365 20	
			$2,815 20	2,815 20
.....	Protection for intake, water supply line.....	J. L. Powley's Sons....	1,158 00	
		Addition	30 00	
			$1,188 00	
		Deduct	58 00	
			$1,130 00	1,130 00

Kings Park State Hospital

Building	Work	Contractor	Contract	Certificates
Extension to power house.....	Switchboard.....	Lord Electric Co.....	$6,539 00	$6,539 00
Extension to power house.....	Temperature regulators...	G. D. Atwood Co.....	1,878 00	1,878 00
.....	Conduit work.....	Cryer Return Line System Co.....	4,230 00	4,230 00
.....	Motors and transformers.	Lord Electric Co.....	4,037 00	
		Deduct	7 50	
			$4,029 50	4,029 5

* An asterisk indicates that the contract was in force September 30, 1914.

APPENDIX B

STATEMENT OF CONTRACTS IN FORCE AND CONTRACTS COMPLETED DURING THE FISCAL YEAR ENDING SEPTEMBER 30, 1914

STATE HOSPITALS

Binghamton

Building	Work	Contractor	Contract	Certificates
*.....	Reconstruction, electric light system.....	Lord Electric Co.....	$31,870 00	
*.....	Steam and exhaust piping.	Edward Joy Co.....	7,900 00	

Buffalo

Building	Work	Contractor	Contract	Certificates
* Main building....	Laundry machinery.....	American Laundry Machinery Co.....	$5,098 00	
* Main building....	Four verandas.....	C. H. Everitt.....	10,641 00	
		Addition	20 00	
			$10,661 00	
Cold storage building.....	Floor drains, etc.....	S. Wright.....	562 00	$562 00
* Tuberculosis pavilions.....	Construction.....	C. H. Everitt.....	26,611 00	
		Addition	215 00	
			$26,826 00	
		Deduct	22 00	
			$26,804 00	21,061 30
* Tuberculosis pavilions.....	Electric work.....	Robertson-Electric Construction Co.....	797 00	
Tuberculosis pavilions.....	Heating work	R. T. Ford Co.....	2,000 00	2,000 00
Tuberculosis pavilions.....	Plumbing work.....	P. J. Thomas.....	3,197 50	
		Addition	450 00	
			$3,647 50	3,647 50
.....	Refrigerating apparatus..	Steele & Condict.....	12,300 00	
		Deduct	65 00	
			$12,235 00	12,235 00

* An asterisk indicates t' at the contract was in force September 30, 1914.

Long Island State Hospital

Building	Work	Contractor	Contract	Certificates
* Power house.....	Construction.....	P. Keeler Bldg. Co.....	$45,833 00	
*.....	Plumbing.....	P. Keeler Bldg. Co....	3,150 00	
*.....	Changing doors.....	Eastern Fireproof Sash & Door Co.....	864 00	
*.....	Electric equipment, and conduit.....	L. H. Woods.....	8,890 00	
*.....	Boilers.....	A. Winternitz.....	66,000 00	

Gowanda

Building	Work	Contractor	Contract	Certificates
*.....	Additional boiler capacity.	Ralph Standing.....	$7,489 00	

Hudson River

Building	Work	Contractor	Contract	Certificates
Power house.....	Coagulant apparatus.....	A. T. Essery.....	$950 00	
		Addition	31 47	
			$981 47	$981 47
* Improvement of water supply.....	.....	A. T. Essery.....	29,385 00	
		Addition	2,907 00	
			$32,292 00	30,555 96
Power house.....	Repairs to power plant...	Gaylord & Eitapenc Co.	1,100 00	1,100 00
.....	Motors, etc. for sewerage system.....	Frost & Sheldon.....	1,450 00	
		Addition	1,365 20	
			$2,815 20	2,815 20
.....	Protection for intake, water supply line.....	J. L. Powley's Sons....	1,158 00	
		Addition	30 00	
			$1,188 00	
		Deduct	58 00	
			$1,130 00	1,130 00

Kings Park State Hospital

Building	Work	Contractor	Contract	Certificates
Extension to power house.....	Switchboard.....	Lord Electric Co.....	$6,539 00	$6,539 00
Extension to power house.....	Temperature regulators...	G. D. Atwood Co.....	1,878 00	1,878 00
.....	Conduit work.....	Cryer Return Line System Co.....	4,230 00	4,230 00
.....	Motors and transformers.	Lord Electric Co.....	4,037 00	
		Deduct	7 50	
			$4,029 50	4,029 5

* An asterisk indicates that the contract was in force September 30, 1914.

Building	Work	Contractor	Contract	Certificates
.....	Four refrigerating machines.....	H. W. Johns-Manville Co.....	$16,695 00	
		Deduct	10 00	
			$16,685 00	$16,685 00
.....	Waterproofing in conduit.	P. Keeler Bldg. Co....	1,600 00	1,600 00
*.....	Extension and vacuum heating system.....	The Wall Eng. Co.....	14,440 00	
*.....	Power house equipment..	Ernest W. Newman....	25,986 00	15,427 50
.....	Altering impellers of two pumps.....	Jeanesville Iron Works Co.....	51 90	51 90
Extension to power house.....	Air compressor.....	Laidlaw-Dunn Gordon Co.....	4,150 00	4,150 00
Boiler house.....	Steam piping.....	Evans-Almirall Co.....	15,720 00	15,720 00
Extension to power house.....	Generator sets.....	Kerr-Turbine Co.....	13,095 00	
		Deduct	120 00	
			$12,975 00	12,975 00
.....	Alterations to sewage system.....	N. Y. Sewage Disposal Co.....	15,000 00	
		Addition	85 50	
			$15,085 50	15,085 50
*.....	Hot water circulation system.....	Cryer Return Line System Co.....	31,980 00	13,163 95
.....	Insulating refrigerating room.....	H. W. Johns-Manville Co.....	736 00	736 00
*.....	Elevators and wiring.....	Wheeler-McDowell Elevator Co.....	11,380 00	
.....	Consulting engineers.....	Charles G. Armstrong & Son.....	10,755 05	
			Percentage	
Tuberculosis pavilion.....	Changes in excretal system	P. Keeler Bldg. Co....	754 65	754 65

Manhattan State Hospital

Building	Work	Contractor	Contract	Certificates
* Nurses' Home....	Construction.....	R. Carvel Co. Inc. (Assigned to T. G. Galardi).....	$82,667 00	$18,181 50
* Nurses' home.....	Heating.....	P. Keeler Bldg. Co....	3,983 00	
* Nurses' home.....	Plumbing.....	J. J. Kenny Co.....	7,745 00	
* Nurses' home.....	Electric.....	L. H. Woods.....	2,495 00	
* Nurses' home.....	Fire alarm system.....	C. & M. Const. Co....	9,564 79	6,337 44
* Nurses' home.....	Steam service connection.	W. C. Olvany.....	3,541 00	
* Nurses' home.....	Outside sewer.....	P. Keeler Bldg. Co....	1,900 00	
*.....	Repairs to 12 in. main....	N. Y. Submarine Co...	2,200 00	

* An asterisk indicates that the contract was in force September 30, 1914.

Middletown State Hospital

Building	Work	Contractor	Contract	Certificates
* Power house.....	Gang openers.....	Lord & Burnham.....	$195 00	
Power house.....	Hardware.....	Lockwood Co.....	218 00	$218 00
* Power house.....	Plumbing.....	R. T. Ford Co.....	4,168 00	3,041 30
Chronic Bldg.....	Hardware.....	Albany H. & I. Co.....	412 00	
		Addition	31 35	
			$443 35	443 25
*.....	Elevator doors.....	Mead & Taft Co.....	164 00	
* Power house.....	Construction.....	N. R. Valkenburgh....	48,761 00	
		Addition	28,090 90	
			$76,851 90	
		Deduct	300 00	
			$76,551 90	51,056 45
*.....	Pump well.....	N. R. Valkenburgh....	1,789 00	709 75

Mohansic State Hospital

Building	Work	Contractor	Contract	Certificates
.....	Electric Railway.....	Thomas O'Hern.....	$49,559 00	
		Addition	31,874 28	
			$81,433 28	$81,433 28
*.....	Engineering services.....	Ricker & Minniss.....	10% of cost.	596 06

Rochester State Hospital

Building	Work	Contractor	Contract	Certificates
Nurses' home.....	Construction.....	R. T. Ford Co.....	$44,400 00	
		Deduct	1,040 00	
			$43,360 00	$43,360 00
Nurses' home.....	Heating.....	R. T. Ford Co.....	3,677 00	
		Addition	57 00	
			$3,734 00	3,734 00
Nurses' home.....	Plumbing.....	R. T. Ford Co.....	6,430 00	
		Addition	523 00	
			$6,953 00	6,953 00
* Nurses' home.....	Electric work.....	O'Connell Electric Co..	2,200 00	1,853 00
*.....	Sewage pumping station..	E. B. Foote.....	4,300 00	
*.....	Laundry equipment.....	American Laundry Machinery Co.....	5,298 00	
*.....	Hardware.....	Lockwood Co.....	893 13	
*.....	Steam header main.....	E. Towe.....	3,600 00	
		Addition	136 42	
			$3,736 42	
		Deduct	35 00	
			$37,041 42	$1,096 50

* An asterisk indicates that the contract was in force September 30, 1914.

Building	Work	Contractor	Contract	Certificates
.....	Four refrigerating machines.....	H. W. Johns-Manville Co.....	$16,695 00	
		Deduct	10 00	
			$16,685 00	$16,685 00
.....	Waterproofing in conduit.	P. Keeler Bldg. Co....	1,600 00	1,600 00
*.....	Extension and vacuum heating system.....	The Wall Eng. Co.....	14,440 00	
*.....	Power house equipment..	Ernest W. Newman....	25,986 00	15,427 50
.....	Altering impellers of two pumps.....	Jeanesville Iron Works Co.....	51 90	51 90
Extension to power house.....	Air compressor.....	Laidlaw-Dunn Gordon Co.....	4,150 00	4,150 00
Boiler house.....	Steam piping.....	Evans-Almirall Co.....	15,720 00	15,720 00
Extension to power house.....	Generator sets.....	Kerr-Turbine Co.....	13,095 00	
		Deduct	120 00	
			$12,975 00	12,975 00
.....	Alterations to sewage system.....	N. Y. Sewage Disposal Co.....	15,000 00	
		Addition	85 50	
			$15,085 50	15,085 50
*.....	Hot water circulation system.....	Cryer Return Line System Co.....	31,980 00	13,163 95
.....	Insulating refrigerating room.....	H. W. Johns-Manville Co.....	736 00	736 00
*.....	Elevators and wiring.....	Wheeler-McDowell Elevator Co.....	11,380 00	
.....	Consulting engineers.....	Charles G. Armstrong & Son.....	10,755 05	
			Percentage	
Tuberculosis pavilion.....	Changes in excretal system	P. Keeler Bldg. Co....	754 65	754 65

Manhattan State Hospital

Building	Work	Contractor	Contract	Certificates
* Nurses' Home....	Construction.....	R. Carvel Co. Inc. (Assigned to T. G. Galardi).....	$82,667 00	$18,181 50
* Nurses' home.....	Heating.....	P. Keeler Bldg. Co....	3,983 00	
* Nurses' home.....	Plumbing.....	J. J. Kenny Co.....	7,745 00	
* Nurses' home.....	Electric.....	L. H. Woods.....	2,495 00	
* Nurses' home.....	Fire alarm system.....	C. & M. Const. Co....	9,564 79	6,337 44
* Nurses' home.....	Steam service connection.	W. C. Olvany.....	3,541 00	
* Nurses' home.....	Outside sewer.....	P. Keeler Bldg. Co....	1,900 00	
*.....	Repairs to 12 in. main....	N. Y. Submarine Co...	2,200 00	

* An asterisk indicates that the contract was in force September 30, 1914.

Middletown State Hospital

Building	Work	Contractor	Contract	Certificates
* Power house.....	Gang openers.....	Lord & Burnham.....	$195 00	
Power house.....	Hardware.....	Lockwood Co.....	218 00	$218 00
* Power house.....	Plumbing.....	R. T. Ford Co.....	4,168 00	3,041 30
Chronic Bldg.....	Hardware.....	Albany H. & I. Co.....	412 00	
		Addition	31 35	
			$443 35	443 25
*.....	Elevator doors.....	Mead & Taft Co.....	164 00	
* Power house.....	Construction.....	N. R. Valkenburgh....	48,761 00	
		Addition	28,090 90	
			$76,851 90	
		Deduct	300 00	
			$76,551 90	51,056 45
*.....	Pump well.....	N. R. Valkenburgh....	1,789 00	709 75

Mohansic State Hospital

Building	Work	Contractor	Contract	Certificates
.....	Electric Railway.....	Thomas O'Hern.....	$49,559 00	
		Addition	31,874 28	
			$81,433 28	$81,433 28
*.....	Engineering services.....	Ricker & Minniss.....	10% of cost.	596 06

Rochester State Hospital

Building	Work	Contractor	Contract	Certificates
Nurses' home.....	Construction.....	R. T. Ford Co.....	$44,400 00	
		Deduct	1,040 00	
			$43,360 00	$43,360 00
Nurses' home.....	Heating.....	R. T. Ford Co.....	3,677 00	
		Addition	57 00	
			$3,734 00	3,734 00
Nurses' home.....	Plumbing.....	R. T. Ford Co.....	6,430 00	
		Addition	523 00	
			$6,953 00	6,953 00
* Nurses' home.....	Electric work.....	O'Connell Electric Co..	2,200 00	1,853 00
*.....	Sewage pumping station..	E. B. Foote.....	4,300 00	
*.....	Laundry equipment.....	American Laundry Machinery Co.....	5,298 00	
*.....	Hardware.....	Lockwood Co.....	893 13	
*.....	Steam header main.....	E. Towe.....	3,600 00	
		Addition	136 42	
			$3,736 42	
		Deduct	35 00	
			$37,041 42	$1,096 50

* An asterisk indicates that the contract was in force September 30, 1914.

St. Lawrence State Hospital

Building	Work	Contractor	Contract	Certificates
*.....	Improvements, heating system.....	W. F. Devendorf.....	$47,250 00	
		Addition	887 52	
			$48,137 52	
		Deduct	244 32	$38,575 13
			$47,893 20	

Willard State Hospital

Building	Work	Contractor	Contract	Certificates
Laundry extension..	Construction.....	C. K. Benjamin.....	$7,993 00	
		Deduct	57 15	
			$7,935 85	$7,935 85
*.....	Fire escape.....	C. E. Kohlmets.....	585 00	
.....	Sewage disposal.....	N. Y. Sewage Disposal Co.....	709 34	709 34

CHARITABLE INSTITUTIONS

Western House of Refuge, Albion, N. Y.

Building	Work	Contractor	Contract	Certificates
Barn.....	Construction.....	G. D. Harris.....	$7,025 00	$7,025 00
Barn.....	Electric work.....	Johnson-Fay Electric Co.....	332 00	332 00

State School for the Blind, Batavia, N. Y.

Building	Work	Contractor	Contract	Certificates
.....	Conduits & piping.....	W. F. Devendorf.....	$5,100 00	
		Addition	333 00	
			$5,433 00	$5,433 00
.....	Electric lighting.....	O'Connell Electric Co.	1,260 00	1,260 00
New buildings.....	Construction.....	R. T. Ford Co.....	37,000 00	
		Addition	44 00	
			$37,044 00	
		Deduct	908 10	
	(Entire contract settled for $36,000).....		$36,135 90	36,000 00
* New buildings....	Increased boiler capacity.	M. E. Whitham.....	2,373 00	
		Addition	200 00	
			$2,573 00	
		Deduct	30 00	
			$2,543 00	1,698 30

* An asterisk indicates that the contract was in force September 30, 1914.

New York State Reformatory for Women, Bedford, N. Y.

Building	Work	Contractor	Contract	Certificates
* Cottages 14, 15 and 16	Construction	Casper Ranger Const. Co.	$62,981 00	
		Addition	1,151 46	
			$64,132 46	$20,399 37
* Cottages 14, 15 and 16	Heating	W. B. Armstrong Co.	12,678 00	
* Cottages 14, 15 and 16	Plumbing	E. A. Keeler	5,828 00	
		Deduct	12 00	
			$5,816 00	663 00
* Cottages 14, 15 and 16	Electric work	E. A. Keeler	3,343 66	
* Hospital	Construction	Casper Ranger Const. Co.	32,428 00	13,050 90
* Hospital	Heating	R. T. Ford Co.	3,000 00	
* Hospital	Plumbing	E. A. Keeler	2,950 00	
		Deduct	3 00	
			$2,947 00	478 12
* Hospital	Electric work	E. A. Keeler	1,611 54	
* Cottages 9, 10 and 11	Construction	Callanan & Prescott	74,862 00	17,853 40
* Cottages 9, 10 and 11	Heating	R. T. Ford Co.	8,000 00	
* Cottages 9, 10 and 11	Plumbing	R. T. Ford Co.	9,300 00	4,734 50
* Cottages 9, 10 and 11	Electric work	E. A. Keeler	2,949 19	
* Boiler house	Construction	D. F. Dakin Co.	38,950 00	
		Deduct	220 00	
			$38,730 00	10,093 75
* Boiler house	Engines, etc.	T. F. Jackson Co.	10,283 00	
* Boiler house	Plumbing	P. Keeler Bldg. Co.	2,719 00	93 50
* Boiler house	Electric work	N. Y. Const. Co.	4,275 00	
* Boiler house	Boiler plant	Gillis & Geoghegan	37,900 00	
*	Sewage disposal plant	Briante Construction Co., Inc.	37,993 00	
*	Boiler plant	W. B. Armstrong Co.	7,140 00	
*	Piping and conduit	R. T. Ford Co.	22,897 00	
		Addition	90 00	
			$22,987 00	
* Power house	Hardware	Reading Hdw. Co.	143 27	
* Cottage 13	Construction	Callanan & Prescott	21,000 00	
* Cottage 13	Heating	R. T. Ford Co.	1,600 00	
* Cottage 13	Plumbing	E. A. Keeler	1,995 00	
		Deduct	4 00	
			$1,991 00	102 00
* Cottage 13	Electric work	E. A. Keeler	810 61	
*	Water supply, farm group.	N. Y. Sewage Dis. Co.	6,521 00	

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New York State Soldiers and Sailors' Home, Bath, N. Y.

Building	Work	Contractor	Contract	Certificates
.....	2-125 h. p. boilers.....	E. Keeler Co.....	$4,374 00	
.....	Lowering platforms of fire escapes.....	Merritt & Co.....	$32 00	$32 00

State Training School for Girls, Hudson, N. Y.

Building	Work	Contractor	Contract	Certificates
* Cottages 11 and 12	Construction.....	Nial Brothers Const. Co.....	$49,417 00	
		Addition	3,890 79	
			$53,307 79	
		Deduct	94 32	
			$53,213 47	$52,378 47
* Cottages 11 and 12	Prison work.....	Prison Department....	2,218 64	2,218 64
* Cottages 13 and 14	Construction.....	Berrigan Contracting Co.....	44,700 00	
		Addition	54 00	
			$44,754 00	
		Deduct	1,210 00	
			$43,544 00	36,337 50
* Cottages 13 and 14	Electric work.....	F. W. Newman & Son, Inc.....	115 00	
* Cottages 13 and 14	Electric work.....	T. F. Jackson, Inc.....	5,087 00	
		Addition	45 00	
			$5,132 00	1,972 85
* Cottages 13 and 14	Plumbing work.....	P. C. Doherty.....	4,378 00	
		Addition	140 00	
			$4,518 00	
		Deduct	64 00	
			$4,454 00	3,390 99
* Cottages 13 and 14	Heating work.....	W. B. Armstrong Co...	5,630 00	
		Addition	92 40	
			$5,722 40	2,930 80
* School building...	Plumbing work.....	W. B. Armstrong Co...	3,947 00	
		Addition	85 50	
			$4,032 50	
		Addition	21 00	
			$4,053 50	2,558 92
* School building...	Construction.....	D. W. Dean.....	63,713 00	
		Deduct	1,250 00	
			$62,463 00	41,973 00
* School building...	Heating.....	J. J. Horan Co.....	4,390 00	1,974 55
* School building...	Electric work.....	P. Keeler Bldg. Co....	2,420 00	1,291 15

* An asterisk indicates that the contract was in force September 30, 1914.

Building	Work	Contractor	Contract	Certificates
* School building...	Trunk conduit.....	P. Keeler Bldg. Co....	$6,006 00	
		Addition	290 00	
			$6,296 00	$4,292 93
* Main building....	Hot water piping.....	T. A. O'Malley.....	581 00	
* Main building....	New boilers.....	R. T. Ford Co.....	7,589 00	
* Stuyvesant house.	Raising.....	M. J. Jackson & Son Co.....	4,162 00	2,125 00
* Cottages 1, 2 and 3	Electric work.....	N. Y. Construction Co.	2,565 00	2,066 35
* School building...	Hardware.....	The Lockwood Co.....	598 00	
* Cottages 13 and 14	Hardware.....	The Lockwood Co.....	799 00	
		Addition	2 77	
			$801 77	
*.....	Steam connections.....	W. B. Armstrong Co...	312 00	312 00
*.....	Steam connections.....	D. W. Dean.....	75 00	
*.....	Steam connections.....	J. J. Horan Co.....	385 00	385 00

Letchworth Village, Thiells, N. Y.

Building	Work	Contractor	Contract	Certificates
.....	Pole lines, etc.....	Rockland Light & Power Co.....	$2,360 00	
		Addition	2,443 00	
			$4,803 00	$4,803 00
*Cottages A, B, C and D.....	Construction.....	Torrington Bldg. Co...	$107,966 00	
		Addition	475 93	
			$108,441 93	
		Deduct	1,400 00	
			$107,041 93	56,505 00
*Cottages A, B, C and D.....	Heating.....	Torrington Bldg. Co...	$9,780 00	
*Cottages A, B, C and D.....	Electric work.....	P. Keeler Bldg. Cg.....	3,670 00	500 33
*Cottages A, B, C and D.....	Plumbing.....	W. B. Armstrong Co...	11,398 00	
		Addition	157 75	
			$11,555 75	
		Addition	152 98	
			$11,708 73	6,788 73
*Cottages A, B, C and D.....	Hardware.....	Lockwood Co.....	688 00	
		Addition	6 00	
			$694 00	
*.....	Consulting engineers.....	Nygren, Tenney & Ohmes.....	Percentage	

* An asterisk indicates that the contract was in force September 30, 1914.

State Custodial Asylum, Newark, N. Y.

Building	Work	Contractor	Contract	Certificates
*Employees' Bldg..	Construction.....	The Dollard Construction Co.....	$19,600 00	
		Addition	90 90	
			$19,690 90	
		Deduct	24 86	
			$19,666 04	$15,043 58
Employees' bldg...	Hardware.....	Norwalk Lock Co.....	453 00	
		Addition	5 00	
			$458 00	458 00
*Employees' bldg...	Plumbing.....	R. T. Ford Co.....	4,305 00	
		Addition	66 00	
			$4,371 00	
		Deduct	19 75	
			$4,351 25	2,741 25
*Employees' bldg...	Electric work.....	P. Keeler Bldg. Co....	685 00	359 97
*Employees bldg...	Heating.....	Young & Power.....	$3,000 00	
		Addition	285 64	
			$3,285 64	2,292 61
*Employees' bldg...	Conduits, feeder cables, etc.....	Earl J. Adams (Assigned to Hammer-Beach Co.).....	485 00	

Woman's Relief Corps Home, Oxford, N. Y.

Building	Work	Contractor	Contract	Certificates
Hospital.....	Addition.....	C. H. Mitchell Co., Inc.	$15,889 00	
		Addition	533 48	
			$16,422 48	
		Deduct	250 00	
			$16,172 48	$16,172 48
Hospital.....	Heating.....	R. T. Ford Co.....	2,273 00	
		Addition	183 00	
			$2,456 00	2,456 00
Hospital.....	Plumbing.....	R. T. Ford Co.....	1,994 00	1,994 00
Hospital.....	Electric work.....	Edward Joy Co.....	841 00	841 00
Addition to hospital.	Hardware.....	Babcock, Hinds & Underwood.....	200 00	
		Addition	12 95	
			$212 95	212 95
Sun parlor.....	Scrape and clean floors...	C. H. Mitchell Co.....	117 00	117 00
*.....	Drilling artesian wells....	W. W. Butts.....	Per foot.	
			$2 50 first 200 feet.	
			3 20 next 200 feet.	
			4 20 next 200 feet.	
		Addition	$274 00	

* An asterisk indicates that the contract was in force September 30, 1914.

State Hospital for Incipient Tuberculosis, Raybrook, N. Y.

Building	Work	Contractor	Contract	Certificates
.....	Engine and dynamo.....	Ruser & Muller.....	$2,370 34	$2,370 34

Craig Colony for Epileptics, Sonyea, N. Y.

Building.	Work	Contractor	Contract	Certificates
*.....	Underground crossing....	Pennsylvania Railroad Co.....	$10,000 00	$7,404 81
*.....	Improvements, water supply.....	McWhirk Construction Co. Assigned to Niagara Falls Trust Co., Norwood Engineering Co. doing work.....	$18,575 00	
		Deduct	242 50	
			$18,332 50	2,422 50
* New barn.....	Construction.....	C. A. Foote.....	4,311 00	
		Addition	75 00	
			$4,386 00	765 00
* Central Power and heating plant....	Boilers, steam apparatus and piping.....	Gaylord Engineering Co.	20,973 00	
* Central power and heating plant....	Plumbing and drainage...	R. T. Ford Co.....	1,645 00	956 25
* Central power and heating plant.....	Engines, generators and electric work.....	The Beeler Engineering Co.....	8,030 00	
* Central power and heating plant....	Chimney.....	The Heine Chimney Co.	4,161 00	2,822 00
*.....	Sewage disposal plant....	McWhirk Construction Co., assigned to F. L. Cohen.....	16,986 00	4,685 20

State Training School for Boys, Yorktown Heights, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Constructing highway....	F. G. Fowler Construction Co.....	$20,846 00	
		Addition	7,864 68	
			$28,710 68	$28,488 43
Winterburn house...	Plumbing.....	Mekeel Bros.....	466 00	466 00
Winterburn house...	Heating.....	Mekeel Bros.....	699 97	699 97
* Winterburn house.	Water supply.....	Philip F. Beale.....	530 00	

Great Meadow Prison, Comstock, N. Y.

Building	Work	Contractor	Contract	Certificates
* Cell building, south wing.....	Plumbing.....	W. B. Armstrong Co...	$34,935 00	
		Addition	71 50	
			$35,006 50	$11,405 72

* An asterisk indicates that the contract was in force September 30, 1914.

State Custodial Asylum, Newark, N. Y.

Building	Work	Contractor	Contract	Certificates
*Employees' Bldg..	Construction.....	The Dollard Construction Co.....	$19,600 00	
		Addition	90 90	
			$19,690 90	
		Deduct	24 86	
			$19,666 04	$15,043 58
Employees' bldg...	Hardware.....	Norwalk Lock Co.....	453 00	
		Addition	5 00	
			$458 00	458 00
*Employees' bldg...	Plumbing.....	R. T. Ford Co.....	4,305 00	
		Addition	66 00	
			$4,371 00	
		Deduct	19 75	
			$4,351 25	2,741 25
*Employees' bldg...	Electric work.....	P. Keeler Bldg. Co....	685 00	359 97
*Employees bldg...	Heating.....	Young & Power.....	$3,000 00	
		Addition	285 64	
			$3,285 64	2,292 61
*Employees' bldg...	Conduits, feeder cables, etc.....	Earl J. Adams (Assigned to Hammer-Beach Co.).....	485 00	

Woman's Relief Corps Home, Oxford, N. Y.

Building	Work	Contractor	Contract	Certificates
Hospital.....	Addition.....	C. H. Mitchell Co., Inc.	$15,889 00	
		Addition	533 48	
			$16,422 48	
		Deduct	250 00	
			$16,172 48	$16,172 48
Hospital.....	Heating.....	R. T. Ford Co.....	2,273 00	
		Addition	183 00	
			$2,456 00	2,456 00
Hospital.....	Plumbing.....	R. T. Ford Co.....	1,994 00	1,994 00
Hospital.....	Electric work.....	Edward Joy Co.....	841 00	841 00
Addition to hospital.	Hardware.....	Babcock, Hinds & Underwood.....	200 00	
		Addition	12 95	
			$212 95	212 95
Sun parlor.....	Scrape and clean floors...	C. H. Mitchell Co.....	117 00	117 00
*.....	Drilling artesian wells....	W. W. Butts.....	Per foot.	
			$2 50 first 200 feet.	
			3 20 next 200 feet.	
			4 20 next 200 feet.	
		Addition	$274 00	

* An asterisk indicates that the contract was in force September 30, 1914.

State Hospital for Incipient Tuberculosis, Raybrook, N. Y.

Building	Work	Contractor	Contract	Certificates
.....	Engine and dynamo.....	Ruser & Muller.....	$2,370 34	$2,370 34

Craig Colony for Epileptics, Sonyea, N. Y.

Building.	Work	Contractor	Contract	Certificates
*.....	Underground crossing....	Pennsylvania Railroad Co.....	$10,000 00	$7,404 81
*.....	Improvements, water supply.....	McWhirk Construction Co. Assigned to Niagara Falls Trust Co., Norwood Engineering Co. doing work.....	$18,575 00	
		Deduct	242 50	
			$18,332 50	2,422 50
* New barn.....	Construction.....	C. A. Foote.....	4,311 00	
		Addition	75 00	
			$4,386 00	765 00
* Central Power and heating plant....	Boilers, steam apparatus and piping.....	Gaylord Engineering Co.	20,973 00	
* Central power and heating plant....	Plumbing and drainage...	R. T. Ford Co.....	1,645 00	956 25
* Central power and heating plant.....	Engines, generators and electric work.....	The Beeler Engineering Co.....	8,030 00	
* Central power and heating plant....	Chimney.....	The Heine Chimney Co.	4,161 00	2,822 00
*.....	Sewage disposal plant....	McWhirk Construction Co., assigned to F. L. Cohen.....	16,986 00	4,685 20

State Training School for Boys, Yorktown Heights, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Constructing highway....	F. G. Fowler Construction Co.....	$20,846 00	
		Addition	7,864 68	
			$28,710 68	$28,488 43
Winterburn house...	Plumbing.....	Mekeel Bros.....	466 00	466 00
Winterburn house...	Heating.....	Mekeel Bros.....	699 97	699 97
* Winterburn house.	Water supply.....	Philip F. Beale.....	530 00	

Great Meadow Prison, Comstock, N. Y.

Building	Work	Contractor	Contract	Certificates
* Cell building, south wing.....	Plumbing.....	W. B. Armstrong Co...	$34,935 00	
		Addition	71 50	
			$35,006 50	$11,405 72

* An asterisk indicates that the contract was in force September 30, 1914.

State Custodial Asylum, Newark, N. Y.

Building	Work	Contractor	Contract	Certificates
*Employees' Bldg..	Construction.....	The Dollard Construction Co.....	$19,600 00	
		Addition	90 90	
			$19,690 90	
		Deduct	24 86	
			$19,666 04	$15,043 58
Employees' bldg...	Hardware.....	Norwalk Lock Co.....	453 00	
		Addition	5 00	
			$458 00	458 00
*Employees' bldg...	Plumbing.....	R. T. Ford Co.....	4,305 00	
		Addition	66 00	
			$4,371 00	
		Deduct	19 75	
			$4,351 25	2,741 25
*Employees' bldg...	Electric work.....	P. Keeler Bldg. Co....	685 00	359 97
*Employees bldg...	Heating.....	Young & Power.....	$3,000 00	
		Addition	285 64	
			$3,285 64	2,292 61
*Employees' bldg...	Conduits, feeder cables, etc.....	Earl J. Adams (Assigned to Hammer-Beach Co.).....	485 00	

Woman's Relief Corps Home, Oxford, N. Y.

Building	Work	Contractor	Contract	Certificates
Hospital.....	Addition.....	C. H. Mitchell Co., Inc.	$15,889 00	
		Addition	533 48	
			$16,422 48	
		Deduct	250 00	
			$16,172 48	$16,172 48
Hospital.....	Heating.....	R. T. Ford Co.....	2,273 00	
		Addition	183 00	
			$2,456 00	2,456 00
Hospital.....	Plumbing.....	R. T. Ford Co.....	1,994 00	1,994 00
Hospital.....	Electric work.....	Edward Joy Co.....	841 00	841 00
Addition to hospital.	Hardware.....	Babcock, Hinds & Underwood.....	200 00	
		Addition	12 95	
			$212 95	212 95
Sun parlor.....	Scrape and clean floors...	C. H. Mitchell Co.....	117 00	117 00
*.....	Drilling artesian wells....	W. W. Butts.....	Per foot.	
			$2 50 first 200 feet.	
			3 20 next 200 feet.	
			4 20 next 200 feet.	
		Addition	$274 00	

* An asterisk indicates that the contract was in force September 30, 1914.

State Hospital for Incipient Tuberculosis, Raybrook, N. Y.

Building	Work	Contractor	Contract	Certificates
.....	Engine and dynamo.....	Ruser & Muller.....	$2,370 34	$2,370 34

Craig Colony for Epileptics, Sonyea, N. Y.

Building.	Work	Contractor	Contract	Certificates
*.....	Underground crossing....	Pennsylvania Railroad Co.....	$10,000 00	$7,404 81
*.....	Improvements, water supply.....	McWhirk Construction Co. Assigned to Niagara Falls Trust Co., Norwood Engineering Co. doing work.....	$18,575 00	
		Deduct	242 50	
			$18,332 50	2,422 50
* New barn.....	Construction.....	C. A. Foote.....	4,311 00	
		Addition	75 00	
			$4,386 00	765 00
* Central Power and heating plant....	Boilers, steam apparatus and piping.....	Gaylord Engineering Co.	20,973 00	
* Central power and heating plant....	Plumbing and drainage...	R. T. Ford Co.....	1,645 00	956 25
* Central power and heating plant.....	Engines, generators and electric work.....	The Beeler Engineering Co.....	8,030 00	
* Central power and heating plant....	Chimney.....	The Heine Chimney Co.	4,161 00	2,822 00
*.....	Sewage disposal plant....	McWhirk Construction Co., assigned to F. L. Cohen.....	16,986 00	4,685 20

State Training School for Boys, Yorktown Heights, N. Y.

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*.....	Constructing highway....	F. G. Fowler Construction Co.....	$20,846 00	
		Addition	7,864 68	
			$28,710 68	$28,488 43
Winterburn house...	Plumbing.....	Mekeel Bros.....	466 00	466 00
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		Addition	71 50	
			$35,006 50	$11,405 72

* An asterisk indicates that the contract was in force September 30, 1914.

TRAVELING EXPENSES

October 1, 1913, *to September* 30, 1914

October, 1913	$1,408 53	
November, 1913	1,063 96	
December, 1913	1,038 97	
January, 1914	935 21	
February, 1914	552 41	
March (contingent).		
April (contingent).		
May (contingent).		
June (contingent).		
July (contingent).		
August (contingent).		
September (contingent).		
Total	$4,999 08	
Appropriated by chapter 792, Laws 1913	$5,000 00	
Appropriated by chapter 546, Laws 1912, balance	06	
		$5,000 06
Expenses from October 1, 1913, to September 30, 1914		4,999 08
Balance October 1, 1914		$0 98

(Reappropriated for contingent.)

CONTINGENT

Chapter 791, *Laws* 1913

Deficiencies in office expenses, traveling expenses, contingent fund, and for salaries of draftsmen, tracers and employees:

October, 1913	$3,616 76
November, 1913	2,391 80
December, 1913	2,021 29
January, 1914	1,712 59

February, 1914	$1,513 82	
March, 1914	1,556 90	
April, 1914	2,231 36	
May, 1914	2,324 14	
June, 1914	2,294 54	
July, 1914	1,482 88	
August, 1914	1,726 44	
September, 1914	3,062 57	
Total	$25,935 09	
Appropriated by chapter 791, Laws 1913, balance	$15,674 51	
Appropriated by chapter 792, Laws 1913	6,000 00	
Appropriated by chapter 530, Laws 1914	8,834 76	
		$30,509 27
Expenses from October 1, 1913, to September 30, 1914		25,935 09
Balance October 1, 1914		$4,574 18
Chapter 530, Laws 1914, New York office, appropriation		$1,250 00
Paid		390 63
Balance October 1, 1914		$859 37

RECAPITULATION

Office maintenance	$123,590 31
Office expenses	5,999 78
Traveling expenses	4,999 08
Contingent fund	25,935 09
New York office	390 63
Total	$160,914 89

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Total	$160,914 89

APPENDIX B

STATEMENT OF CONTRACTS IN FORCE AND CONTRACTS COMPLETED DURING THE FISCAL YEAR ENDING SEPTEMBER 30, 1914

STATE HOSPITALS

Binghamton

Building	Work	Contractor	Contract	Certificates
*.....	Reconstruction, electric light system.....	Lord Electric Co.....	$31,870 00	
*.....	Steam and exhaust piping.	Edward Joy Co.....	7,900 00	

Buffalo

Building	Work	Contractor	Contract	Certificates
* Main building....	Laundry machinery.....	American Laundry Machinery Co.....	$5,098 00	
* Main building....	Four verandas.....	C. H. Everitt.....	10,641 00	
		Addition	20 00	
			$10,661 00	
Cold storage building.....	Floor drains, etc.....	S. Wright.....	562 00	$562 00
* Tuberculosis pavilions.....	Construction.....	C. H. Everitt.....	26,611 00	
		Addition	215 00	
			$26,826 00	
		Deduct	22 00	
			$26,804 00	21,061 30
* Tuberculosis pavilions.....	Electric work.....	Robertson-Electric Construction Co.....	797 00	
Tuberculosis pavilions.....	Heating work	R. T. Ford Co.....	2,000 00	2,000 00
Tuberculosis pavilions.....	Plumbing work.....	P. J. Thomas.....	3,197 50	
		Addition	450 00	
			$3,647 50	3,647 50
.....	Refrigerating apparatus..	Steele & Condict.....	12,300 00	
		Deduct	65 00	
			$12,235 00	12,235 00

* An asterisk indicates that the contract was in force September 30, 1914.

Long Island State Hospital

Building	Work	Contractor	Contract	Certificates
* Power house.....	Construction.....	P. Keeler Bldg. Co.....	$45,833 00	
*.....	Plumbing.....	P. Keeler Bldg. Co....	3,150 00	
*.....	Changing doors.....	Eastern Fireproof Sash & Door Co.....	864 00	
*.....	Electric equipment, and conduit.....	L. H. Woods.....	8,890 00	
*.....	Boilers.....	A. Winternits.....	66,000 00	

Gowanda

Building	Work	Contractor	Contract	Certificates
*.....	Additional boiler capacity.	Ralph Standing.....	$7,489 00	

Hudson River

Building	Work	Contractor	Contract	Certificates
Power house.....	Coagulant apparatus.....	A. T. Essery.....	$950 00	
		Addition	31 47	
			$981 47	$981 47
* Improvement of water supply.....	.....	A. T. Essery.....	29,385 00	
		Addition	2,907 00	
			$32,292 00	30,555 96
Power house.....	Repairs to power plant...	Gaylord & Eitapenc Co.	1,100 00	1,100 00
.....	Motors, etc. for sewerage system.....	Frost & Sheldon.....	1,450 00	
		Addition	1,365 20	
			$2,815 20	2,815 20
.....	Protection for intake, water supply line.....	J. L. Powley's Sons....	1,158 00	
		Addition	30 00	
			$1,188 00	
		Deduct	58 00	
			$1,130 00	1,130 00

Kings Park State Hospital

Building	Work	Contractor	Contract	Certificates
Extension to power house.....	Switchboard.....	Lord Electric Co.....	$6,539 00	$6,539 00
Extension to power house.....	Temperature regulators...	G. D. Atwood Co.....	1,878 00	1,878 00
.....	Conduit work.....	Cryer Return Line System Co.....	4,230 00	4,230 00
.....	Motors and transformers.	Lord Electric Co.....	4,037 00	
		Deduct	7 50	
			$4,029 50	4,029 5

* An asterisk indicates that the contract was in force September 30, 1914.

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*.....	Steam and exhaust piping.	Edward Joy Co.....	7,900 00	

Buffalo

Building	Work	Contractor	Contract	Certificates
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* Main building....	Four verandas.....	C. H. Everitt.....	10,641 00	
		Addition	20 00	
			$10,661 00	
Cold storage building.....	Floor drains, etc.....	S. Wright.....	562 00	$562 00
* Tuberculosis pavilions.....	Construction.....	C. H. Everitt.....	26,611 00	
		Addition	215 00	
			$26,826 00	
		Deduct	22 00	
			$26,804 00	21,061 30
* Tuberculosis pavilions.....	Electric work.....	Robertson-Electric Construction Co.....	797 00	
Tuberculosis pavilions.....	Heating work	R. T. Ford Co.....	2,000 00	2,000 00
Tuberculosis pavilions.....	Plumbing work.....	P. J. Thomas.....	3,197 50	
		Addition	450 00	
			$3,647 50	3,647 50
.....	Refrigerating apparatus..	Steele & Condict.....	12,300 00	
		Deduct	65 00	
			$12,235 00	12,235 00

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*.....	Plumbing.....	P. Keeler Bldg. Co....	3,150 00	
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*.....	Boilers.....	A. Winternits.....	66,000 00	

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			$981 47	$981 47
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		Addition	2,907 00	
			$32,292 00	30,555 96
Power house.....	Repairs to power plant...	Gaylord & Eitapenc Co.	1,100 00	1,100 00
.....	Motors, etc. for sewerage system.....	Frost & Sheldon.....	1,450 00	
		Addition	1,365 20	
			$2,815 20	2,815 20
.....	Protection for intake, water supply line.....	J. L. Powley's Sons....	1,158 00	
		Addition	30 00	
			$1,188 00	
		Deduct	58 00	
			$1,130 00	1,130 00

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Building	Work	Contractor	Contract	Certificates
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Extension to power house.....	Temperature regulators...	G. D. Atwood Co.....	1,878 00	1,878 00
.....	Conduit work.....	Cryer Return Line System Co.....	4,230 00	4,230 00
.....	Motors and transformers.	Lord Electric Co.....	4,037 00	
		Deduct	7 50	
			$4,029 50	4,029 5

* An asterisk indicates that the contract was in force September 30, 1914.

CONTRACTS IN FORCE OCTOBER 1, 1914

State Hospitals

Binghamton	$39,770 00
Buffalo	43,360 00
Long Island	124,737 00
Gowanda	7,489 00
Hudson River	32,292 00
Kings Park	83,786 00
Manhattan	118,622 79
Middletown	82,867 90
Rochester	49,732 55
St. Lawrence	47,893 20
Willard	585 00
	$631,135 44

Charitable Institutions

Bath	$4,374 00
Batavia	2,543 00
Bedford	415,160 73
Hudson	209,175 14
Thiells	132,894 66
Newark	28,930 93
Oxford	274 00
Sonyea	84,513 50
Yorktown Heights	530 00
	$878,395 96

Prisons

Comstock	$752,438 57
Sing Sing Prison	46,247 76
	$798,686 33

Normal Schools

Brockport	$7,482 25
Buffalo	419,858 16
Fredonia	7,490 00
Oswego	993 20
Potsdam	2,680 74
	$438,504 35

Armories

Troop " B " Albany	$129,291 50

Miscellaneous Institutions

Buffalo Institute	$9,573 99
Letchworth Park	3,695 00
Syracuse University	236,870 00
Washington's Headquarters	1,950 00
General Herkimer Home	3,250 00
Schuyler Mansion	9,914 00
Cornell University	388,397 79
Lake George Monument	1,198 50
Rosebank	11,800 00
Farmingdale	280,229 00
Assembly Chamber	20,916 84
Education building	233,771 97
Capitol power house	518 00
Morrisville	20,868 34
Cobleskill	51,037 00
Malone	2,200 00
St. Lawrence University	670 00
Crown Point Reservation	4,460 00
Capitol reconstruction	502,037 69
	$1,783,358 12

CONTRACTS IN FORCE OCTOBER 1, 1914

Hospitals	$631,135 44
Charitable institutions	878,395 96
State prisons	798,686 33
Normal schools	438,504 35
Armories	129,291 50
Miscellaneous institutions	1,783,358 12
Total	$4,659,371 70

STATE OF NEW YORK

ANNUAL REPORT

OF THE

Department of Architecture

For the Fiscal Year Ending September 30, 1915

TRANSMITTED TO THE LEGISLATURE MARCH 13, 1916

ALBANY
J. B. LYON COMPANY, PRINTERS
1916

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STATE OF NEW YORK

No. 37

IN SENATE

Annual Report of the Department of Architecture

STATE OF NEW YORK
DEPARTMENT OF ARCHITECTURE

ALBANY, *March* 13, 1916.

Honorable EDWARD SCHOENECK, President of the Senate, Albany, N. Y.

SIR.— I have the honor to submit herewith for your consideration the Annual Report of the Department of Architecture, State of New York, for the fiscal year ending September 30, 1915.

Respectfully yours,

L. F. PILCHER,
State Architect.

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Department of Architecture, State of New York, Albany, N. Y.

To the Honorable, the Senate, State of New York:

GENTLEMEN.— The second annual report of the Department of Architecture is hereby submitted:

The law amending the Public Buildings Law and establishing the Department of Architecture and defining its jurisdiction, powers and duties became operative on April 3, 1914, and is known as Chapter 111, Laws of 1914. Its operation for the fiscal year from October 1, 1914, to September 30, 1915, and covering a part of the fiscal year ending September 30, 1914, has, in my opinion, fully justified the judgment of the Legislature in its enactment. The law, which embodied the suggestions and recommendations of the committee of the New York State Association of the American Institute of Architects, has tended to a more efficient supervision of the building requirements of the State, simplified and greatly developed the service work required of the Department of Architecture by the State and its institutions, and promoted uniformity in departmental work — all to the advantage of the State and the material assistance of those who submit proposals for State work.

The work of the Department has been more thoroughly systematized in the executive, construction, engineering, and inspection divisions, and the results attained include greater efficiency, a general standardization of the work and a reduction in cost to the State, considering the volume of work devolving upon the Department.

Another year's operation under the new law will add to the betterment of the Department and place the architectural arm of the State upon the highest plane of public service and efficiency and at the minimum of expense, consistent with the requirements of the State and good service.

The work of the Department of Architecture is continuous and the volume of effort accomplished each year is much greater than

the face value of the contracts which are awarded among the various groups of State institutions. While the work of the Department which reaches contract award forms the larger share of the Department's service to the other divisions of the State, there is a heavy volume of work demanded which can be measured only by the amount of specific appropriation and departmental estimates of the cost of the work. These demands upon the Department are embraced in the work accomplished by certain State institutions and by inmate labor where there are no contracts awarded. The work entails extensive study and labor by the construction, engineering and inspection divisions.

Much time and labor have also been required in the preparation of plans, designs, sketches, etc., for construction work for which there has been no award of contract, estimate approval or further progress.

There have been many emergencies, in the demands of the various interests of the State, which have required absolutely definite preliminary drawings and specifications upon which could be based adequate estimates of cost for proposed undertakings. Upon the request of the Executive, the Legislature or Commission, it is the duty of the Department of Architecture, under the provisions of the law creating the Department, Chapter 111, Laws of 1914, to develop projects so that definite information can be obtained.

Relative to this demand upon the Department, Hon. Eugene M. Travis, State Comptroller, in his report of the examination of the Department of Architecture, says:

> "It is believed that not only has the quantity of work handled by the Department increased, but that the quality, as well, has improved. For instance, *whereas formerly when an appropriation was made to erect a building forming the nucleus, it was the practice to erect such building without much, if any, regard for possible future development. Now it is the custom to carefully study the proposed site and improvement in all the physical and operating aspects and to project plans for the whole anticipated improvement before the plans for the immediate initial construction are started. This tends to insure a program of construction which will be economical and efficient*

during construction and future operation of the improvement. We construe this and other matters called to our attention to indicate that the quality of the work of this Department shows an improvement."

A further instance of Departmental demand is the fact that during the year the completion of the sewage disposal scheme for the Mohansic State Hospital and the State Training School for Boys at Yorktown Heights, for which $498,000 has been authorized, required the preparation of full sets of plans for which contracts have not been issued.

A review of the work of the Department for the fiscal year ending September 30, 1915, shows:

Contracts in force October 1, 1914	$4,680,710 94
Contracts awarded October 1, 1914, to September 30, 1915	2,561,416 30
Expert services on resolution of trustees or institutions	26,589 86
Special fund estimates not included in contracts	291,744 06
Total face of contracts and orders administered October 1, 1914, to September 30, 1915	$7,560,461 16
Face of contracts concluded October 1, 1914, to September 30, 1915, including special fund estimates approved and certificates issued for expert services on resolution of trustees or institutions	3,185,415 58
Face of contracts in force October 1, 1915	$4,375,045 58
Certificates issued on contracts in force October 1, 1915, not including special fund estimates approved or certificates issued for expert services on resolution of trustees or institutions	2,726,473 05
Balance of unperformed work on contracts in force October 1, 1915	$1,648,572 53

Summary of contract progress October 1, 1914, to September 30, 1915 —

Contracts completed	$2,867,081	66
Certificates issued on uncompleted contracts	2,726,473	05
Balance unclaimed	1,090	00
Contract progress October 1, 1914, to September 30, 1915	$5,594,644	71

There was expended by the Department $202,306.47, of which $150,634.07 was for Departmental maintenance, including salaries. The recapitulation of Department disbursements shows a total of $189,578.13, which includes office maintenance, $150,634.07; office expenses, $9,833.11; traveling expenses, $11,091.99; contingent, $15,499.62, and New York office, $2,519.34. There was also disbursed in salaries $12,728.34 and paid out of appropriations as follows: Chapter 728, Laws of 1915, Capitol Reconstruction, $5,766.12; Chapter 727, Laws of 1915, Cornell University, $2,996.20; Chapter 728, Laws of 1915, Syracuse University, $3,966.02.

The amount expended by the Department was for contract progress, among various divisions of the State, credited to the fiscal year, of the face value of $5,594,644.71.

While the total face of contracts and orders administered during the fiscal year amounted to $7,560,461.16, plans and other details were prepared by the construction and engineering divisions of the approximate value of $1,722,879, for which there were no bids received, contracts awarded or estimates approved. Approximately $1,000,000 of this work was in the construction division and the balance in the engineering division. The development of the Mohansic State Hospital site represents over one-half of the volume of work in the Department for which there has been no contract development.

Appropriations for the past year were made by the Legislature prior to the material advance in prices due to the European war. This has increased the work of the Department to a considerable extent to revise the original designs so as to keep within the amount

available, allowing for the advance. It has also been necessary at times to reduce the amount of work contemplated to a considerable extent, as it was found that prices advanced during the period while the work was being advertised, and when the bids were received no contracts could be awarded. The plans, therefore, had to be redrawn to come within the appropriation.

SUMMARY OF CONTRACT WORK

The following general summary by institutional grouping shows the contract work for the fiscal year:

SUMMARY STATEMENT OF CONTRACTS IN FORCE OCTOBER 1, 1914 TO SEPTEMBER 30, 1915, INCLUSIVE, WITH CERTIFICATES ISSUED ON CONTRACTS AND CONTRACTS COMPLETED, CONTRACTS IN FORCE OCTOBER 1, 1914, CONTRACTS AWARDED WITHIN FISCAL YEAR AND CONTRACTS IN FORCE AT CLOSE OF FISCAL YEAR

	Contracts in force October 1, 1914 to September 30, 1915	Contracts completed October 1, 1914 to September 30, 1915	Certificates issued on contracts October 1, 1914 to September 30, 1915	Contracts in force October 1, 1914	Contracts awarded October 1, 1914 to September 30, 1915	Contracts in force October 1, 1915
Hospitals	$1,515,174 94	$381,240 51	$518,869 83	$592,523 56	$922,651 38	$1,133,934 43
Charities	1,743,175 64	645,733 72	687,630 10	869,145 39	874,030 25	1,097,441 92
Prisons	813,348 44	472,884 52	253,100 11	798,639 44	14,709 00	340,463 92
Armories	274,769 26	884 00	112,228 98	137,607 06	137,162 20	273,885 26
Normal schools	456,507 20	438,750 50	96,973 36	437,001 43	19,505 77	17,756 70
Educational	1,304,065 67	303,113 95	577,634 92	1,040,111 02	263,954 65	1,000,951 72
Public buildings	1,047,630 55	580,800 51	*435,183 68	764,449 10	283,181 45	466,830 04
Regulative	31,090 79	14,722 80	7,535 62	23,451 79	7,639 00	16,367 99
General	56,364 75	28,951 15	37,316 45	17,782 15	38,582 60	27,413 60
	$7,242,127 24	$2,867,081 66	$2,726,473 05	$4,680,710 94	$2,561,416 30	$4,375,045 58

* Balance unclaimed $1,090.

WORK UNDER SPECIAL FUND ESTIMATES

There were 427 special fund estimates approved during the fiscal year amounting to $1,094,691.61. Of this number, there were thirty-nine estimates amounting to $802,947.55, which were included in contracts awarded. The latter were confined entirely to construction work among the State hospitals and included thirteen estimates for the Manhattan State Hospital, six for the Middletown State Hospital, five for the Kings Park State Hospital and the balance scattered among eight other State hospitals. Prior to May 1, 1914, all special fund estimates for State institutions passed through the Department. The average was about 3,000 estimates each year. Following a conference among the State departments interested, it was decided to submit all special fund estimates direct to the State Hospital Commission, the Fiscal Supervisor and the Superintendent of Prisons, and then refer only such special fund estimates as were deemed pertinent to the Department of Architecture. These were to include all special fund estimates covering work to be done under plans and specifications prepared by the Department of Architecture; all special fund estimates covering either construction or engineering work to be charged against specific appropriations, other than for maintenance, and for which the State Comptroller required the joint letter of release, and such other special fund estimates covering technical or engineering work upon which advice of the Department of Architecture is desired as to action to be taken.

The State Hospital Commission also includes special fund estimates covering all contracts and special orders issued for building or engineering work and this custom materially increases the number of and the total amount involved for that class of institutions.

Following is the number and amount of the special fund estimates, not included in contracts, received and considered for the fiscal year:

HOSPITALS

Institution	Estimates	Amount
Binghamton State Hospital.....	7	$7,315 42
Buffalo State Hospital.....	4	204 06
Central Islip State Hospital.....	13	3,863 93
Gowanda State Hospital.....	3	58 48

Institution	Estimates	Amount
Hudson River State Hospital	3	$8,090 22
Kings Park State Hospital	17	6,153 77
Manhattan State Hospital	21	16,831 87
Middletown State Hospital	12	2,149 80
Mohansic State Hospital	2	600 90
Rochester State Hospital	16	11,385 16
St. Lawrence State Hospital	8	2,164 49
Utica State Hospital	1	4,337 82
	107	$63,605 92

CHARITIES

Institution	Estimates	Amount
State School for the Blind	1	$1,250 00
State Training School for Girls	3	849 64
Thomas Indian School	2	1,561 73
Eastern New York Reformatory	1	4,569 61
Custodial Asylum for Feeble-Minded Women	1	518 32
Craig Colony for Epileptics	1	7,761 00
State Institution for Feeble-Minded Children	1	5,811 00
Letchworth Village	6	11,454 52
	16	$33,775 82

PRISONS

Institution	Estimates	Amount
Auburn Prison	1	$216 87
Clinton Prison	7	8,983 99
Dannemora Hospital	47	38,508 06
Great Meadow Prison	93	94,439 69
Matteawan Hospital	43	13,949 89
Sing Sing Prison	70	38,860 46
	261	$194,958 96
Less credits		14,428 09
		$180,530 87

OTHER INSTITUTIONAL GROUPS

Institution	Estimates	Amount
Saratoga Reservation	1	$11,757 00
Lake George Battleground Park	1	256 15
Cornell University	1	455 50
State School of Agriculture, Morrisville	1	1,362 80
	4	$13,831 45
Total	388	$291,744 06
Total included in contracts	39	802,947 55
	427	$1,094,691 61

SPECIFICATION SERVICE

The specification division has been fully organized and the high standard of its work has resulted in a material gain to the State in that contractors are thereby enabled to estimate closer on contracts and to much better advantage than under former methods employed. The development of this line of departmental activity was started late in the preceding fiscal year. There was an extended and thorough investigation of methods applicable to all State work and a familiarization with all the requirements of high grade specification work. The changes wrought, I am sure, have greatly aided contractors and benefited the State correspondingly.

This work, actively begun early in the present fiscal year, has gone steadily forward. It was hampered to a certain degree by the regular specification work of the Department. It required the assembling of a large amount of data, and conferences were held with material men and builders, both in New York and Albany. It was my desire to grant a hearing to all interests liable to be affected by fixing standards for material and workmanship. As a matter of record, it should be stated that all of the standard specifications are reviewed by the Deputy State Architect, the Assistant State Architect and the Chief Inspector and then by the State Architect before printing.

More than one-half of the work of revision has been accomplished and of the balance the more serious errors have been corrected and the unfinished sections will soon be ready for the printer. Advices have already reached this Department to the effect that portions of these standard specifications have already been quoted in different sections of the United States where New York State is looked upon to lead in all matters pertaining to architecture and building.

The specifications for all State buildings embody a standard of material, methods and labor which remain set in type. Amendments to these standards are written, adapting the specifications to the particular building in question and all extraneous matter is omitted.

A saving of money to the State has been accomplished through the medium of these revised standard specifications in admitting open competition in the matter of the system of fireproof construction permissible and by the use of more modern and cheaper floor coverings, such as linoleum and asphalt instead of wood, tile, etc.

The revision of the standards to date has resulted in a saving of 25 per cent. in the cost of producing the amendments, namely the preparation of the manuscript and printing of the same, a matter of five pages out of twenty.

Beginning with the present fiscal year, the amendments to the standard specifications, heretofore typewritten, stenciled and mimeographed, have been printed and bound with the standard specifications by the State printer. The mimeographing system proved to be unsatisfactory because of errors which occasionally occurred in the typing and in the imperfect contact of the paper with the stencil, producing at times an indefiniteness in the completed copies which caused contractors "to guess" at uncertain descriptions instead of estimating with, at times, a consequent loss to the State, and in the execution of the work on buildings some contractors were inclined to take advantage of the imperfect printing to try to evade requirements of the contract.

Many leading contractors on State work, in commenting on the printed specifications as against the former stenciled ones, have stated that they can estimate closer and to better advantage. Moreover, the printed matter comports better with the dignity of

the State and is in accord with the practice in other State Departments and large private offices.

The cost of printing the amendments to the specifications, $1.50 per page, equals in amount the former cost of stenciled and mimeographed copies which consisted of typewriting, comparing with original, stencilling, and comparing again with the typewritten copy, cost of the stencil and copying paper, mimeograph operation, sorting, assembling and binding, no less than six operations being required for each specification.

PREPARATION OF BLUE PRINTS

There has been an improved service in the preparation of blue prints which was made possible by the installation of an automatic blueprinting machine with washer and dryer and other facilities for turning out work of a high grade. The apparatus, since its installation, has developed approximately 342,825 square feet of blue prints which have been arranged in sets and furnished to bidders for State work, together with specifications. Under a rule of the Department a deposit check is required on all plans and specifications, thereby insuring their return to the department after consideration by the contractors on different lines of work on public buildings and institutions.

Approximately 3,000 complete sets of plans and specifications were delivered to contractors during the year. An improved service has been provided in this line of departmental work which has added to the more efficient administration of the Department.

DIVISIONAL ACTIVITY

The construction division of the Department considered 109 projects which involved the preparation of 77 specifications, 254 sketches, 412 working drawings and 480 detail drawings. The engineering division prepared 141 plans and specifications of which there were 94 construction specifications, 214 sketches, 369 working construction drawings, 292 working engineering drawings and 467 detail drawings. The two divisions have kept abreast with all demands made upon them and every effort has been made to give the State the best service possible. All divisional work has been progressed to the extent that the Department will be able

to at once apply itself to new construction work under appropriations of the incoming Legislature when they are made.

The clerical work of the Department has been handled expeditiously with as small a force as consistent with giving prompt attention to all matters of Departmental routine. The Department has been in receipt of 31,566 letters during the fiscal year and especial attention has been given to prompt service. Much of the work involved the supplying of detailed information to various institutional boards and commissions, to employes in the field and general information was provided those who desired knowledge in regard to State work within the province of the Department.

Increased volume of work in the Department is shown by the fact that there were 583 contracts in force during the fiscal year, as against 427 in the year concluding Sept. 30, 1914. There was an increased volume of work among the State hospitals, the charitable institutions, the public buildings and the general institutions, while the only class of institutions showing a decrease in contract activity was the regulative division and the normal schools. Increased contract work, together with work carried on under institutional or other than by contract labor, has largely added to the volume of clerical work in the Department.

AMONG STATE INSTITUTIONS

Housing of the insane will present a problem to the administration of State the coming year. The annual excess of commitments to the various State hospitals over patients discharged and paroled has greatly overtaxed the capacity of the institutions, and there are now confined in State hospitals approximately 6,500 more patients than the hospitals were designed to accommodate Commitments in recent periods have been greater than in other years and forces the State to a realization that added hospital accommodations must be provided. This condition will be relieved in part by additional bed capacity which will be available July 1, 1917. Inability to deport the alien insane, due to the European war, is ascribed in part as one of the causes for the congested condition of the State hospitals.

The bed capacity at the Manhattan State Hospital, under construction work now in progress, will be increased by 350 beds, the

Binghamton State Hospital, 282 beds, the Kings Park State Hospital, 420 beds, and the Long Island State Hospital, 589 beds.

A solution of the congested condition of institutions, especially near the metropolitan center, will be brought about, in part, by the separation of that class of the hospital population known as senile dementia, and separating it from the more active mentally disturbed. This will result in a lessening of the housing per capita of the senile dementia patients and a lesser per capita for care and maintenance.

Separating the senile dementia patients from the other classes of patients will result in a per capita for construction of approximately $350, while the present per capita cost to the State is about $1,000.

Tentative sketches made for caring for senile dementia patients at the Middletown State Hospital call for a building 520 feet long and 325 feet wide, in which will be placed senile patients from various State hospitals, thereby providing room for a part of the excess hospital population in these institutions. The Middletown hospital building will be four floors in front and five in the rear, designed to accommodate 500 patients on each floor, 2,000 in all, with 200 attendants. Especial attention has been given the designing of the building to make possible an economical general supervision and service of the patients at the lowest possible figure, while inmate safety will be well provided for in emergency exits, general fireproof building construction, and the elimination of inside stairways, elevators being used to transfer patients from floor to floor.

The proposed building is a new departure in institutional management and I believe that it will result in saving to the State because of the fact that the patients to be cared for in this new style of building require much less care and attention than persons suffering from other forms of insanity.

Additional bed capacity will also be provided in different charitable institutions because of work now under way. There will be available at the Rome State Custodial Asylum, 356 additional beds; at the Eastern New York Reformatory at Napanoch, 148; at the State Reformatory for Women, Bedford Hills, 216; State Hospital for Crippled and Deformed Children,

West Haverstraw, 79; the Custodial Asylum for Feeble-Minded Women, Newark, 152; State School for the Blind, Batavia, 16; State Training School for Girls, Hudson, 54; Letchworth Village, 240; and State Training School for Boys at Yorktown Heights, 112.

DEVELOPMENT OF HISTORIC PLACES

Preservation, repairs and betterments have been undertaken at several of the State Historic Reservations. This class of work has relatively required much time and attention from the Department, both in the preparation of plans and in supervision, as it is of unusual character. Aside from making the reservations accessible and available to visitors, the main point has been to accurately restore or to preserve the historic parts as they were at the time the places were of their prime importance. Local conditions, such as occupancy and inaccessibility, together with limited funds make the problems complex and increase the amount of time necessary to prepare proper plans and specifications.

At Schuyler Mansion, in Albany, it was proposed to restore the property to its condition of 1762 to 1803, the period during which Schuyler lived in it. This restoration required, first, that several structures be removed, a lodge built for the caretaker; and, second, that the actual restoration be studied and started. The first work has been accomplished and the caretaker's cottage equipped with a heating plant sufficient to heat the mansion and also supplied with ample toilet accommodations for visitors. The removal of the caretaker to this building, together with all heating appliances, reduced the fire hazard in the old structure, and also allowed restoration to begin. The preparation of plans and specifications involved much time, study and investigation for the old records and documents were uniformly lacking in respect to concrete descriptions of original conditions.

The occupants during the last 100 years have made many changes which have obliterated all traces of some of the important features. The research has been necessarily slow and tedious, involving the examination of all parts of the structure as well as existing records. Two visits were made to Mount Vernon to secure and to compare data with the result that the heating system now installed is modeled after that in the Washington Home.

It is inconspicuous and in keeping with the house, the heat being forced into the rooms through grate bars in the hearth of the fireplaces. The discovery of an old map, dated 1794, definitely settled the outline of the house, its wings and approach. The removal of lath, plaster and floors has established the original interior arrangement with very little possibility of error. Plans and specifications are now being prepared for the complete restoration, based upon this information.

While these investigations were in progress, the old decayed timbers in the first floor construction were removed, partitions and floors leveled up, new wood sills put in to replace the old ones which were rotting, the rear windows and sash were restored to their proper condition, the rear staircase was located and reconstructed, decayed and altered panelling was replaced, the paint was removed from interior doors, the ceilings re-lathed and the ceilings and walls re-plastered. Much of this work was done on a percentage contract as it was impossible to pre-determine the extent of necessary repairs and replacements. While this method of doing the work required more attention from the Department than the usual method, much information was secured that would not otherwise have been available at like expense. The work has now reached a point where a definite contract can be let, the proper results obtained, and the final work can shortly begin.

At General Herkimer's Homestead in Danube, the repairs and restoration, started last year, have been finished. Most of the research was completed last year but some further investigation was necessary to complete the work. The restoration has been made difficult on account of requiring the house to be a caretaker's cottage, a museum and also the colonial home of Herkimer. These requirements have hampered the proper alterations but results generally satisfactory have been secured. The unsightly out-buildings, southwest of the house, have been removed. The well has been cleaned out and supplied with a new curb and sweep. An open rustic pavilion has been erected upon the powder house for the convenience of visitors. A new toilet has been erected and several old fences removed. The north entrance has been altered and now agrees with the oldest known sketches of the house. The painting of the exterior, together with the above

mentioned changes, has added greatly to the dignity and appearance of the place.

At Crown Point Reservation on Lake Champlain, a number of improvements have been made to and about the old forts. The comfort station has been completed, according to the original plan. The old English fort drain has been replaced with a tile sewer, two culverts have been built, a cement sidewalk has been laid from the comfort station to the fort, guard rails and sign boards have been installed at the entrance road. A well has been driven near the comfort station which will supply the visitors with pure drinking water. Formerly, it was not possible to provide drinking water as the lake was used for a supply.

The most interesting and important work undertaken this year has been the opening and preservation of the ruins of Fort St. Frederic. This older French fort has, in the past, received but little attention from the visitors because there appears to be nothing worth looking at. Historically, it was more important than the English fort but an overgrowth of brush and decay had obliterated most of the interesting features at the site. Chapter 727 of the Laws of 1915 authorized the State Architect, the Comptroller and the New York State Historical Association to expend $1,500 in opening, repairing and preserving this fort. Acting upon the recommendation of this Department, authorization was given to start the work. This recommendation was based upon the principle stipulated in the deed of gift, which required preservation with as little new material and work visible as possible. The preservation of the barracks had been conducted under this method and the results were satisfactory. On account of the small sum available, the expenditure had to be carefully studied in order to accomplish satisfactory results if only in a small way.

The fort was first cleared of underbrush and the larger trees trimmed with the result that the ramparts, especially on the lake front, became distinct and interesting. Walks and paths were constructed about the fort and from the lake shore to the fort. A driveway was constructed from the comfort station into and around the inside walls of the fort so that visitors can now drive in as they do at the English fort. A flag-pole is included to be erected on the northeast bastion and will act as a marker for the

lake travel. The exposing and repairing of curtain and bastion walls showed what the fort had been and how accurately it had been built. The unsightly mounds became parts of the fortification and completed the outline so that it could be understood by the visitors. These walls were in various stages of decay and it was necessary to re-set many stones, especially at the top of the walls in order to tie them together and to keep the weather out. The walls treated last fall will last some years without further attention and work yet to be undertaken will be similarly treated. There is a great deal yet to be done, but a new field of interest has been uncovered to the future visitors which will be greatly appreciated.

At Sir William Johnson Mansion, Johnstown, a new steam heating system has been installed. The boiler is in the modern north wing and the work has been done so that the plant can be set up in the caretaker's cottage when completed, thus removing all fire from the Mansion.

At Governor Clinton House, Poughkeepsie, it has been proposed to restore the house to its original condition of 1765. Plans of the present house were made and after considerable study and investigation, both at the house and in contemporary structures in neighboring vicinity, a definite restoration was decided upon.

The program of alterations is so arranged that substantial and permanent results can be obtained as fast as money is available. The modern roof has been removed and a new one installed, new chimneys have been constructed from the attic floor upward, the front porch has been removed and a colonial one erected. Three attic widows on the west side have been opened and sash and frames installed. The interior has had several temporary changes made in order to adapt the building to the needs of the caretaker. Plans and details for the remainder of the work are prepared and everything ready for further restoration when funds are provided. The alterations thus far completed have done much to improve the property.

At Lake George Battleground Park, the Dowling house has been altered to provide toilets for visitors and painting has been done. At Saratoga Battle Monument, Schuylerville, a new approach and concrete walk have been laid about the monument.

STRUCTURAL INVESTIGATION

Engineering service not represented in the contract or special fund estimate progress of the Department includes:

Surveys.— Manhattan State Hospital, Mohansic State Hospital, the Kings Park State Hospital, the Binghamton State Hospital, the State School of Agriculture at Farmingdale, the State Custodial Asylum for Feeble-Minded Women at Newark, the Rome Custodial Asylum, the State Training School for Boys at Yorktown Heights, the State House at Albany, and the Schoharie School of Agriculture at Cobleskill.

Syracuse State Fair, Syracuse.— Examination of race track grand stand with reference to its structural stability.

Randall's Island, Reformatory for Juvenile Delinquents.— Examination and report with reference to the proposed scheme for removing the lower tier of cells from the cell house.

Long Island State Hospital, Brooklyn.— Examination and report on the request of the hospital authorities for permission to remove certain structural material from kitchen building.

Arsenal, New York City.— Examination, report and recommendations with reference to structural repairs to this building.

State Training School for Girls, Hudson.— Reinforcement with concrete of piers supporting trestle serving coal pocket.

Mohansic State Hospital.— Repair of trestle across Crom Pond.

State Training School for Boys, Yorktown Heights.— Extension of spur track to serve new boiler house.

Middletown State Hospital, Middletown.— Spur and trestle to serve new boiler house.

D. & H. Building, Albany.— Investigation of floor strength with reference to occupancy of this building by State Departments.

Telephone Company Building, Albany.— Installation of partitions, etc., to prepare this building for occupancy by State Departments.

Binghamton State Hospital, Binghamton.— Repair of trestle serving power house.

St. Lawrence State Hospital, Ogdensburg.— Investigation and report on the stability of the power house stack.

Hudson River State Hospital, Poughkeepsie.— Examination, report and recommendations for repair of power house stack, struck by lightning.

Thomas Indian School, Iroquois.— Examination and report on the matter of failure of wall between coal pocket and boiler room.

Brockport Normal School, Brockport.— Examination, report and recommendations with reference to repair and strengthening of foundations.

CAPITOL RECONSTRUCTION

The work of reconstructing the west end of the Capitol, damaged by fire in March, 1911, was completed during the year. By changing the pitch of the new roof and adding six dormers to the west facade, an entire story, 13,000 square feet in area, was made available for office purposes, without changing the external appearance of the building, or in any way detracting from the original design.

Additional floor space amounting to 15,000 square feet was also secured by finishing rooms for office purposes in the sixth story and over the Senate Chamber where space, formerly used for storage purposes, was utilized for housing the Health Department. Based upon current rental values, this 28,000 square feet made available is worth $28,000 per year to the State.

The Department has also prepared plans and supervised the work of refinishing offices and making permanent improvements in the building, exclusive of the reconstruction of the fire damaged section and the repairs and renovation of the Assembly Chamber. There were 47 contracts, amounting to $23,335.63, for this work.

During the work of the audit committee appointed by the Trustees of Public Buildings to audit and establish the value of work furnished under the percentage contracts for reconstructing the Capitol, for which the contractor had not been paid, the Department assisted the committee, furnishing the data acquired through the four years of construction.

RELATIVE TO DEPARTMENTAL APPROPRIATIONS

The State Comptroller, in his investigation of the Department of Architecture during the fiscal year, reported, in part as follows:

"It is exclusively a Department of service to other administrative departments of the State. It is dependent, for its jurisdiction, upon the volume of work which is imposed upon it by the State authorities securing appropriations. The volume of work directly governs the cost of the Department. If the Legislature appropriates $1,000,000 for the construction of, or improvements to public buildings, it imposes a certain more or less definite quantity of work upon this Department. If $2,000,000 is appropriated, the work of the Department will be, under ordinary conditions, double, and the cost of the Department increased in like proportion.

"We believe that we have stated sufficient facts to warrant the conclusion that the sums available for expenditures by the Department of Architecture should be elastic. Of course, it is not at all probable that there ever will be a time when there is no work for this Department to perform. It is entirely probable that the minimum amount of work to be performed by it during any given year will not be less than that performed during the fiscal year which closed on September 30, 1914.

"Therefore, we recommend that appropriations be made by this Legislature sufficient to carry a Departmental organization of substantially the size existing during the last completed fiscal year; and that the Legislature in making appropriations for the construction of or improvements to public buildings insert a section in each such appropriation reading substantially as follows:

"Section —. The plans, specifications, detailed drawings, and contracts necessary or incident to the proposed construction shall be prepared by or under the supervision of the State Architect. If the force of architects, designers, engineers, draftsmen, tracers and inspectors of construction attached to the State Department of Architecture, and for whose compensation and expenses provision has been made in the annual appropriation bill, shall be inadequate or insufficient to properly handle and care for the improvement authorized by this act in addition to the other duties imposed

upon or required of them, the State Architect may, in his discretion, with the consent of the State Comptroller, engage architects, designers, engineers, tracers, draftsmen and inspectors of construction to aid him in some part, or parts of such work, and the compensation and expenses of such persons, not exceeding 4 per cent. of the sum herein appropriated, shall be payable out of this appropriation upon the audit of the Comptroller and the certificate of the State Architect."

I desire to express my appreciation of the assistance and co-operation of the various State Departments in preliminary and construction work under my supervision during the fiscal year. It has been my endeavor to provide the State with efficient and prompt service in its building construction development and hearty co-operation has been accorded the Department by the Executive, the Legislature and all governing boards and commissions.

Respectfully submitted,

L. F. PILCHER.
State Architect.

Department of Architecture,
Albany, N. Y., March 13, 1916.

The Construction and Designing Division

During the fiscal year the construction and designing division, in addition to conducting much of the correspondence incident to the preparation of preliminary drawings and the interpretation of plans and specifications for work under contract, has prepared sketches, specifications, working drawings and detail drawings, as follows:

	Projects	Specifications	Sketches	Working drawings	Detail drawings
Hospitals	15	15	97	98	71
Charitable institutions	35	17	54	101	136
Prisons	5	3	18	12	14
Educational, Regulative, General	30	18	24	75	166
Public buildings	20	20	28	87	40
Armories	4	4	33	39	53
Total	109	77	254	412	480

For the purpose of comparison of costs for different types of institution buildings, the following table is given:

	Cubic contents. (Cu. ft.)	Accommodations. Persons	Cost	Cost per cubic foot. Cents	Cost per capita
ROME DORMITORY Brick building, fire-proof construction, large wards	860,110	356	$135,021 82	15.70	$379 27
LETCHWORTH VILLAGE Native stone building, fireproof construction, single rooms	188,880	41	47,922 00	25.37	1,168 59
HUDSON SCHOOL, HOSPITAL Brick building, fireproof construction, single rooms and special treatment rooms	257,810	45	72,692 00	28.2	1,615 37

STATE HOSPITALS

This division of the Department has devoted much time in the study of the development of the Long Island State Hospital and the Mohansic State Hospital. Drawings for a group of buildings at the Mohansic State Hospital, to accommodate 1,200 chronic patients, together with kitchen and dining rooms, were approaching completion when further work was stopped because of opposition on the part of the city of New York to the location of the

hospital on the site selected. The plans for the Mohansic State Hospital provided for an ultimate capacity of 5,000 patients.

The plans for the Long Island State Hospital provide for an institution with a capacity of 2,000 patients. Drawings are now being prepared for a hospital building for acute cases and for a hospital building for chronic cases, to cost approximately $400,000.

Construction work under way at the Manhattan State Hospital and the Binghamton State Hospital will add largely to the capacity of these two institutions. A building for acute female insane at the Manhattan State Hospital accommodates 207 patients, 26 attendants and one physician. The contract also includes a food conduit 7 feet and 6 inches wide by 260 feet long and alterations in the basement of one of the present kitchens. This building is three stories high, common brick faced with a low priced face brick, and terra cotta partitions, reinforced concrete floors, supported on steel beams and covered with linoleum, roof of ordinary timber construction covered with slate. This building is more compact in plan than the acute hospital for male patients, which accounts in part for the difference in cost of the two buildings. The total contract price is $173,099, the cubic contents 1,185,600 cubic feet, cost, per cubic foot, 14.60 cents, and cost per capita, patients only, $837. The building for the acute male insane will accommodate 150 patients, 28 attendants and two physicians. This building is three stories high, common brick faced with a low priced face brick, brick and terra cotta partitions, reinforced concrete floors and roof supported on steel beams, floors covered with linoleum and roof with felt, pitch and slag. The contract price of the building is $146,847, the cubic contents 880,000 cubic feet, and the cost per cubic foot 16.68 cents. The cost per capita, patients only, is $979.

The building for chronic insane at the Binghamton State Hospital will accommodate 282 patients, 25 attendants and one physician. The contract also includes a one-story corridor, 10 feet wide and 114 feet long, and a one-story addition, 21 feet by 42 feet, to one of the present kitchens. This building is three stories high, common brick, brick and terra cotta partitions, reinforced concrete floors supported on steel beams and covered with

linoleum, roof ordinary timber construction covered with slate. The total contract price is $198,874; cubic contents, including corridor and addition, 1,316,000 cubic feet; cost per cubic foot, 15.11 cents, and cost per capita for patients, $705.

Sketches and drawings to the number of 21 were also prepared for alterations to the cold storage building and an extension to the laundry at the Central Islip State Hospital, and sketches for a mortuary, laboratory and equipment at the Gowanda State Hospital. Twenty-one sketches, working drawings and details were prepared for a building designed as additional accommodations for employees, and additional accommodations for chronic patients at the Kings Park State Hospital. Working drawings were prepared for alterations and additions to the power house at the Middletown State Hospital.

CHARITIES

The more important building operations at the various State Charitable Institutions for which specifications, working drawings and details have been prepared by this division are as follows:

New York State School for the Blind, Batavia.— In addition to details for the hospital building for which plans were prepared last year, a new approach and steps to the gymnasium have been designed and placed under contract.

New York State Soldiers' & Sailors' Home, Bath.— Drawings and specifications have been prepared and contracts let for a new farm barn and an addition to the vegetable cellar. There have also been prepared sketches for a new farm house to replace the one destroyed by fire.

New York State Reformatory for Women, Bedford Hills— The only work of importance has been the preparation of sketches for the grading, walks, roads, and planting of the upper campus.

New York State Reformatory, Elmira.— Complete plans and specifications have been prepared for a modern fireproof shop building to be known as Shop No. 4, which is to be built on the foundation of the shop destroyed by fire during the year, and is designed to accommodate woodworking, painting and decorating trades, and also provides for a lumber dry kiln. This building will be constructed by inmate labor. Sketches have also been

made for two other shops to accommodate the foundry, forge, the steam-fitting and plumbers' trades, and for machine shops.

New York State Training School for Girls, Hudson.— Plans and specifications and details have been prepared for the hospital building with accommodations for 40 girls and 5 officers, together with operating room, special treatment room, kitchen and dining room facilities; also two smaller frame buildings, one of which is to be used as a contagious hospital with accommodations for 10 people, and one to be used as a general laundry. There has also been constructed a retaining wall around the sewage disposal beds.

State Agricultural and Industrial School, Industry.— Plans and specifications for an addition to the hospital building have been revised and contracts let for this work.

Thomas Indian School, Iroquois.— The ice house and dairy room, and an addition to the dairy farm have been advertised with the result that the bids for these buildings exceeded the amount of the appropriation. Drawings have been made for alterations and additions to the present connecting corridors between buildings and this work is being done under the direction of the institution authorities and with the use of inmate labor.

Letchworth Village, Thiells.— Plans and specifications have been prepared and contracts let for a new laundry building, a service building, which provides kitchen and dining room facilities for the boys' group; and an attendants' home having accommodations for 41 employees. There have also been prepared sketches for store house, cold storage building, an industrial building, an administration building, and an assembly hall.

Eastern New York Reformatory, Napanoch.— Plans for the hospital building have been revised to provide for a building which could be built within the amount of the appropriation, and the institution is now engaged in making estimates for the construction of this building by inmate labor.

State Custodial Asylum for Feeble-Minded Women, Newark.— A large number of details have been prepared in connection with the contracts for the hospital building and for the cottage for 92 inmates at this institution, and plans and specifications have been prepared for extensive alterations and additions to the power house.

Woman's Relief Corps Home, Oxford.— Plans and specifications have been prepared for the installation of an electric elevator.

State Custodial Asylum, Rome.— The new dormitory building for which sketches were prepared last year is now under contract, and there have also been prepared in connection with this building drawings and specifications for additional porches which were requested by the institution authorities.

State Hospital for Crippled and Deformed Children, West Haverstraw.— Detail drawings have been prepared for a solarium and for a new hospital building.

PRISONS

Clinton Prison.— Sketches, working drawings, specifications and details have been made for a large frame building to be used as a hospital for the care of tuberculosis cases, and the work of building this building is being done by inmate labor.

Dannemora State Hospital.— In addition to making details for the southwest wing at this institution, which is nearly completed, sketches and drawings have been started for an additional ward building to be known as the northwest wing.

Great Meadow Prison, Comstock.— Sketches and working drawings are under way for a new school building to be located near this prison.

ARMORIES

Troop I Armory, Buffalo.— Plans and specifications were prepared, proposals received and a contract awarded. The building includes a one-story drill hall and a two-story stable and administration section. It is constructed of common brick with ordinary timber floors and roof, the latter covered with felt, pitch and slag. The total contract price is $137,653; cubic contents, 1,921,800 cubic feet, and the cost per cubic foot, 7.17 cents.

Troop B Armory, Albany.— Twenty-four detail drawings were prepared during the year.

Co. G, 10th Infantry Armory, Yonkers.— Thirty-one sketches and working drawings were prepared. The building will soon go to contract.

Troop H Armory, Rochester.— Fifteen sketches were prepared for the new troop armory at Rochester.

PUBLIC BUILDINGS

The State House.— The project of remodeling the State House for the exclusive use of the Court of Appeals has been worked out and contracts for the construction work, heating, electric and sanitary work have been let. Drawings have been made for the interior finish of the trial room, for which it is proposed to utilize the woodwork and furniture of the present trial room in the Capitol.

Other State Buildings in Albany.— The planning of partitions and furniture in the new office building of the New York Telephone Company for the Comptroller, State Engineer, Banking Department, Conservation Commission, Adjutant-General, and Armory Commission, together with the reconstruction of the greenhouses at the Executive Mansion and alterations in the Agricultural Hall, has required the preparation of five specifications, fourteen sketches and eleven working drawings.

GENERAL

Plans and specifications have been prepared for a new animal building for the quarantine station at Rosebank, for repairs to the General Herkimer Home, the Governor Clinton house, a new building for the Warrensburg Fish Hatchery, new schoolhouse and cottage at the Onondaga Indian Reservation, repairs to caretaker's cottage at the Sir William Johnson Mansion, new barns at Niagara Reservation, freight house and bottling works at the Saratoga Reservation, new sidewalks at Saratoga Mounment, restoration of Schuyler Mansion, superintendent's house at the game farm at Dexter, alterations and restorations at Crown Point, and sketches for a rest room at Watkins Glen. Also plans and specifications for repairs to No. 600 Baker avenue, Bronx, under the jurisdiction of the State Comptroller and a new canal office building at Oswego under the jurisdiction of the Department of Public Works. Sketches have been prepared for an annex to the kindergarten building at the Northern New York Institution for Deaf Mutes, Malone.

The Engineering Division

The engineering work of the Department has advanced to such a state that the work for which appropriations have been made will be all placed under contract before the new appropriations made by the 1916 Legislature become effective.

A number of vacancies have occurred during the year, but the force has been able to carry on the work with this reduction in the number of employees, due in a great part to the standardization of the work.

Certain sections of the standard specifications have been revised, strengthening such clauses as will insure better workmanship and higher class of material, and making it possible for more open competition; also, new sections have been added covering new classes of work, which have not heretofore been standardized. By the standardization of these newer classes of work, it is believed that this has a tendency of standardizing the equipment used throughout the State institutions.

With the wide variation of equipment throughout the State institutions and methods of operation and care, no two institutions adopting the same method of operation and style of equipment, an investigation of the operating methods, particularly in connection with the power house, with an idea to economizing in the use of fuel and materials used, would undoubtedly result in a considerable saving. It appears that the requests for new equipment are in general for units of too large capacity for economical operation, with the result that a great many of the electric plants in the institutions are operating under less than 50 per cent. of their rated capacities. This condition has been brought about by the lack of information in connection with actual operating conditions throughout the State institutions, the control of which has not as yet been standardized.

Considerable study has been made regarding sewage disposal systems for various State institutions, particularly the State Training School for Boys at Yorktown Heights and the Mohansic State Hospital. These two institutions, located on the Croton water shed, have called for unusual engineering features so as to thoroughly protect the water shed. Complete plans were developed

for the sewage disposal for both institutions, together with water supply system for the State Training School for Boys.

The development of power houses has been continuous to a large extent and complete plans have been developed for a new power house equipment for the Middletown State Hospital, Manhattan State Hospital and Letchworth Village, together with a number of additions to present boiler house equipment.

Due to the large number of contracts in force at the beginning of the year, a certain part of the force has been continually engaged in taking care of this excess number of contracts, and this extra amount of work, together with the regular work of the Department, has made the volume of the work considerably larger than in any previous year. It will be noticed that the work actually placed under contract is far in excess of the work placed under contract in previous years and there have been fewer plans and specifications prepared for which no award has been made, and undoubtedly some of the work which has not been awarded will be in the near future on the plans and specifications as now prepared.

The total work for which plans and specifications were prepared, including Mohansic State Hospital, aggregate $1,510,153.06. Salaries for the year of engineering division, amount to $21,634.27 or 1.4 per cent. of the cost of the work.

STATE HOSPITALS

The following installations which have been placed under contract are worthy of mention:

Manhattan State Hospital.— There are in operation two boiler plants which have been condemned by the insurance company, and it has become necessary to install a new boiler plant. Appropriations were made for this work by the last Legislature and plans and specifications covering a new boiler house equipment for a capacity of 3,000 horse power have been placed under contract, and it is expected that this plant will be in operation by September 1, 1916. In the new design, all of the heating will be generated from one central heating plant, thereby eliminating the overhead charges and operation costs of two separate boiler plants. The new plant is to be arranged with automatic stokers, together with overhead coal bunkers and automatic ash and coal handling

apparatus and when completed will undoubtedly be the most modern boiler plant in any of the State institutions of its size.

There have also been prepared plans and specifications for engineering work for two buildings for additional accommodations for 350 patients.

Middletown State Hospital.— Appropriations were made by the last Legislature for installing power house equipment in the power house, which had been completed, to take the place of the present boiler house equipment which had long served its usefulness. Plans and specifications were prepared for this work, which included the installation of four 400 horse power water tube boilers with arrangements for two additional boilers of same capacity.

The present electrical equipment is to be moved to the new engine room, together with two units removed from the Binghamton State Hospital, which were not in use, due to the change from direct current to alternating current, thereby saving a considerable amount in the purchase of new equipment.

It is believed that on the completion of this work this plant will be in such shape that this institution can be increased to a considerable extent with but small additions to the power house equipment, and that the necessary annual cost will be very small for repairs for a number of years.

Kings Park State Hospital.— Contracts have been entered into for engineering work covering additions to four existing buildings. Two additional artesian wells have also been placed under contract which will increase the water supply to a considerable extent.

Central Islip State Hospital.— Contracts have been entered into for replacing a considerable amount of underground steam mains which were in such shape that the losses were exceedingly great, due to the deterioration of the pipe covering, together with the pipe itself. Considerable study has been made in connection with this plant.

Two new artesian wells have been contracted for at this institution, which will make it possible to deliver boiler feed water to both plants so as to eliminate the present water which is not suitable for boiler purposes as it causes considerable scale and corrosion which has damaged the boilers to a considerable extent and reduces their efficiency in operation.

Mohansic State Hospital.— Plans and specifications were prepared covering the complete development of the sewage plant, and on a part bids have been received to take care of the present proposed population. These plans consist of treating the sewage by screen chambers, thence to Imhoff tanks, thence to sand filters, and finally by passing the effluent through a chlorinating plant, where the sewage will be discharged to the outlet pipe.

After a large number of conferences with State officials and the Board of Managers of this institution, the plans and specifications were finally approved by the Health Department, Conservation Commission, Board of Managers, and other commissions having jurisdiction. These plans were prepared upon the advice of the Health Department and covered in a report made to the Commissioner of Health by a commission appointed by him to examine the site and report on the necessary equipment to properly sterilize the effluent before finally discharged.

There has been a large amount of study, together with plans and specifications, which have not been reported, for the Mohansic State Hospital. The valuation of these contracts, if the engineering plans were complete, would be approximately:

Water supply	$90,000
Pipe line to Hudson	200,000
Power house and tunnels	150,000
Buildings for accommodation of inmates	100,000
Total	$540,000

At least 50 per cent. of this work has been completed and the Department should, therefore, be credited with the preparation of plans for this work to the amount of $270,000.

CHARITIES

State Reformatory for Women, Bedford Hills.— On account of the large amount of engineering work at this institution, special resident engineers have been assigned to the work, one engineer being assigned for a period of six weeks. This was deemed necessary on account of the remodeling of the heating plant in cold

weather; also on account of the sewage disposal plant being installed in close proximity to the watershed of New York city, and special precautions were taken to see that the material entering into the plant was the very best obtainable. Conferences were also held with representatives of the Department of Water Supply, Gas and Electricity of New York city in reference to the plant, and representatives of the Health Department. Further precaution was taken so as to protect the water supply of New York city.

Letchworth Village.— Plans and specifications have been prepared and contracts awarded covering all appropriations made by the Legislature for this institution. They cover the equipment for the power house, underground heating and electric mains, and engineering plans for attendants' home, service and laundry buildings.

Rome State Custodial Asylum.— Engineering plans and specifications have been prepared and contracts awarded for one large dormitory for 360 inmates.

Custodial Asylum for Feeble-Minded Women, Newark.— Plans and specifications have been placed under contract for engineering work for two new buildings, one for 92 inmates and the other a hospital building.

Studies have also been carried on at this institution throughout the year for remodeling the central heating and lighting plant, and plans and specifications will be completed before January 1st for remodeling the present power house.

State Training School for Boys, Yorktown Heights.— As this institution is located similarly to Mohansic State Hospital, plans and specifications were prepared for a duplicate system of that prepared for Mohansic State Hospital, except that the size was reduced to take care of the intended population at this institution. It would appear that after the number of conferences held in connection with this work the plans represented the most approved method of sewage disposal that could be designed at the present time for this institution and the Mohansic State Hospital. If this work is carried out, the State can proceed with the establishment of a hospital at this site.

EDUCATIONAL

Cornell University.— Plans and specifications have been prepared and contracts entered into for a large amount of underground steam mains, thereby connecting a number of buildings to the central heating plant and eliminating temporary boiler plants.

State School of Agriculture and Domestic Science, Delhi.— Contracts have been awarded for the complete installation of engineering work in the establishment of a cheese and butter making industry for instruction in these subjects, the plant being modeled after commercial plants of this type in actual operation.

PRISONS

Wingdale.—A complete study and report of the Wingdale property has been made in reference to the possibility of developing this institution from an engineering point, particularly in reference to available water supply and sewage disposal.

PUBLIC BUILDINGS

Capitol.— There have been continual changes going on throughout the year in the remodeling of the State Capitol offices, which have required the assignment of an engineer to this work a greater portion of the time, the remodeling of the following rooms forming a part of this work; Assembly document-room, Assembly post-office, Senate document rooms, Department of Public Works, Attorney General's offices, Prison Commission, Hospital Commission, and Executive Chamber. In each case where reconstruction has been carried on, it has been found necessary, in connection with the electric work, to remodel same, also that in adjoining rooms on account of the condition of the wiring of the State Capitol.

I would call to your attention the fact that the wiring of this building is in such shape, due to exposed wires improperly covered and buried in the floors and partitions, that a fire is liable to occur at any time.

Court of Appeals, State House.— Engineering plans have been prepared and contracts awarded for all of the engineering equipment in the new Court of Appeals building.

Statistical Report of the Department of Architecture for the Fiscal Year ending September 30, 1915

Statistical Report of the Department of Architecture for the Fiscal Year ending September 30, 1915

Financial Statement for the Fiscal Year Ending September 30, 1915

Office Maintenance

Payrolls from October 1, 1914, to September 30, 1915:

October, 1914	$13,473 36
November, 1914	13,465 79
December, 1914	13,150 56
January, 1915	12,942 82
February, 1915	12,114 99
March, 1915	11,805 70
April, 1915	11,907 68
May, 1915	12,007 67
June, 1915	12,209 83
July, 1915	12,434 26
August, 1915	12,505 36
September, 1915	12,616 05
Total	$150,634 07

Appropriated by Chap. 529, Laws 1914	$157,000 00
Appropriated by Chap. 530, Laws 1914, balance	7,409 80
	$164,409 80
Payrolls October 1, 1914, to September 30, 1915	150,634 07
Balance September 30, 1915	$13,775 73

Office Supplies and Expenses

From October 1, 1914, to September 30, 1915.

October, 1914	$4 00
November, 1914	961 30
December, 1914	2,338 39

January, 1915	$1,326 27
February, 1915	1,770 88
March, 1915	2,299 37
April, 1915	782 31
May, 1915	13 29
June, 1915	124 94
July, 1915	202 36
August, 1915	10 00
Total	$9,833 11
Appropriated by Chap. 529, Laws 1914	$10,000 00
Paid, October 1, 1914, to September 30, 1915	9,833 11
Balance September 30, 1915	$166 89

TRAVELING EXPENSES

October 1, 1914, to September 30, 1915.

October, 1914	$742 47
November, 1914	1,251 82
December, 1914	703 50
January, 1915	675 64
February, 1915	583 51
March, 1915	804 92
April, 1915	1,091 57
May, 1915	822 56
June, 1915	1,027 88
July, 1915	1,112 13
August, 1915	909 33
September, 1915	1,366 66
Total	$11,091 99
Appropriated by Chap. 529, Laws 1914	$12,000 00
Paid October 1, 1914, to September 30, 1915	11,091 99
Balance September 30, 1915	$908 01

CONTINGENT

For a contingent fund for extraordinary expenses and services incurred in the preparation of plans and specifications and supervision of work or in obtaining data in connection with various State institutions, including office and traveling expenses.

October, 1914	$1,580 34
November, 1914	1,309 17
December, 1914	749 53
January, 1915	880 99
February, 1915	520 03
March, 1915	1,076 30
April, 1915	1,283 69
May, 1915	1,130 90
June, 1915	2,009 45
July, 1915	1,778 39
August, 1915	1,547 18
September, 1915	1,633 65
Total	$15,499 62

Appropriation, Chapter 529, Laws 1914	$10,000 00
Appropriation, Chapter 530, Laws 1914, balance.	2,798 87
Appropriation, Chapter 726, Laws 1915	5,000 00
	$17,798 87
Paid, October 1, 1914, to September 30, 1915	15,499 62
Balance September 30, 1915	2,299 25

New York Office

October, 1914	$970 73
November, 1914	165 41
December, 1914	139 58
January, 1915	149 92
February, 1915	158 47
March, 1915	33 49
April, 1915	183 88

May, 1915	$105 67
June, 1915	68 09
July, 1915	211 78
August, 1915	172 40
September, 1915	159 92
Total	$2,519 34
Appropriated by Chapter 529, Laws 1914	$2,500 00
Appropriated by Chapter 530, Laws 1914, balance	859 37
	$3,359 37
Paid, October 1, 1914, to September 30, 1915	2,519 34
Balance September 30, 1915	$840 03

RECAPITULATION

Office maintenance	$150,634 07
Office expenses	9,833 11
Traveling expenses	11,091 99
Contingent	15,499 62
New York office	2,519 34
Total	$189,578 13

STATEMENT OF CONTRACTS IN FORCE AND CONTRACTS COMPLETED DURING THE FISCAL YEAR OCTOBER 1, 1914 TO SEPTEMBER 30, 1915, INCLUSIVE

HOSPITALS

Binghamton State Hospital, Binghamton, N. Y.

Building	Work	Contractor	Contract	Certificates
*Chronic patients...	Reconstruction, electric lighting system.....	Lord Electric Co.....	$31,870 00	
		Deduction	80 00	
			$31,790 00	$22,805 50
*Power plant.....	New boiler stack.....	Flood & Van Wirt Co..	19,500 00	
		Deduction	269 29	
			$19,230 71	8,245 00
*Power plant.....	Reconstruction, electric lighting system.....	Edward Joy Co.....	7,900 00	
		Deduction	75 00	
			$7,825 00	4,668 63
*Chronic patients...	Construction.....	Durolithic Co.....	159,700 00	
		Addition	2,906 62	
			$162,606 62	66,239 70
*Chronic patients ..	Heating.....	R. T. Ford Co.....	19,737 00	4,250 00
*Chronic patients...	Plumbing and drainage...	Peter Keeler Bldg. Co.	13,122 00	
		Addition	33 00	
			$13,155 00	3,772 12
*Chronic patients...	Electric work.....	N. Y. Construction Co.	6,315 00	
		Addition	487 00	
			$6,802 00	807 50

Buffalo State Hospital, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates
Tuberculosis pavilion.....	Addition to bakery, and remodelling cold storage	C. H. Everitt.....	$26,611 00	
		Addition	215 00	
			$26,826 00	
		Deduction	22 00	
			$26,804 00	$5,742 70

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
Main building.....	Construction of 4 verandas	C. H. Everitt.....	$10,641 00	
		Addition	20 00	
			$10,661 00	$10,661 00
Laundry.....	New machinery, etc.....	American Laundry Machinery Co.....	5,098 00	5,098 00
Tuberculosis pavilion.....	Electric work.....	Robertson Electric Construction Co.....	797 00	797 00
*.....	Water softening plant....	International Filter Co.	5,969 00	4,202 40
*.....	Renewal, sewer lines.....	Kelly & Wheeler.....	6,295 00	

Central Islip State Hospital, Central Islip, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Additional electric equipment.....	T. Fred'k Jackson, Inc..	$4,491 00	$1,955 00

Gowanda State Hospital, Gowanda, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Underground steam connections.....	Ralph Standing.....	$3,297 59	$2,635 00
Boiler plant.....	Additional capacity. Underground steam connections.....	Ralph Standing.....	7,489 00	7,489 00

Hudson River State Hospital, Poughkeepsie, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Improved water supply...	A. T. Essery.....	$29,385 00	
		Addition	2,907 00	
			$32,292 00	
		Deduction	121 44	
			$32,170 56	
Laundry.....	Motor.....	N. Y. Construction Co.	1,885 00	
		Addition	86 40	
			$1,971 40	$1,971 40
Edgewood.....	Stairs, treads, etc.....	James McKinney & Son.....	1,491 00	1,491 00

Long Island State Hospital, Brooklyn, N. Y.

Building	Work	Contractor	Contract	Certificates
.....	Changing doors.....	Eastern Fireproof Sash & Door Co.....	$864 00	$864 00
*Power house.....	Plumbing.....	Peter Keeler Bldg. Co..	45,833 00	
		Addition	406 08	
			$46,239 08	
		Deduction	300 00	
			$45,939 08	36,951 98

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
*Power house.....	Boilers, equipment and conduit.....	Albert Winternitz.....	$66,000 00	
		Addition	77 68	
			$66,077 68	$44,052 44
*Power house.....	Plumbing.....	Peter Keeler Bldg. Co..	3,150 00	2,554 25
Power house.....	Hardware.....	Sargent & Co.....	101 72	
		Deduction	1 35	
			$100 37	100 37
*Power house.....	Electric equipment.....	Lewis H. Woods.....	8,890 00	6,927 50
*Main building.....	Rebuilding wall.....	Ohlhausen & Veit.....	3,164 00	

Kings Park State Hospital, Kings Park, N. Y.

Building	Work	Contractor	Contract	Certificates
New building.....	Elevators, wiring, etc....	Wheeler-McDowell Co.	$11,380 00	$11,380 00
Power house.....	Hot water circulating system.....	Cryer Return Line System Co.....	31,980 00	18,816 05
Power house.....	Additional equipment....	Ernest W. Newman....	25,986 00	10,558 50
Tuberculosis pavilion.....	Changes, excretal system.	P. Keeler Bldg. Co. Addition, Chap. 726, Laws 1915.....	148 65	148 65
*Heating plant.....	Extension to system.....	Wall Engineering & Construction Co.....	14,440 00	10,000 00
*.....	Services consulting engineers.....	Chas. G. Armstrong & Son. Contract, 5 per cent and expenses.		
*Cottages 1, 3 and 4.	Construction.....	Maurice Mead.....	72,000 00	
		Addition	2,865 30	
			$74,865 30	12,520 75
*Cottages 1, 3 and 4.	Heating.....	W. B. Armstrong Co...	5,531 00	
*Chronic patients, additional accommodations.....	Plumbing and drainage...	Arthur S. Gaynor Co., assigned to W. B. Armstrong Co.....	7,381 00	
		Addition	861 00	
			$8,242 00	2,269 50
*Chronic patients, additional accommodations.....	Electric.....	Isidor Fajans.....	1,179 00	
.....	Sinking two wells.....	A. J. Connolly.....	3,540 29	3,540 29

Manhattan State Hospital, Ward's Island, N. Y.

Building	Work	Contractor	Contract	Certificates
Nurses' Home.....	Construction.....	Richard Carvel Co., assigned to T. G. Galardi.....	$82,667 09	
		Addition	1,281 50	
			$83,948 50	
		Deduction	2,673 00	
			$81,275 50	$63,094 00

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
Nurses' Home.....	Heating.....	Peter Keeler Bldg. Co..	$3,983 00	$3,983 00
Nurses' Home.....	Electric.....	Lewis H. Woods.....	2,495 00	2,495 00
	Repairs, 12-in. main under river.....	N. Y. Submarine Const. Co.....	2,200 00	2,200 00
Nurses' Home.....	Outside sewer, water piping, etc.....	Peter Keeler Bldg. Co.	1,900 00	1,900 00
Nurses' Home.....	Steam service connections.	Wm. J. Olvany.....	3,541 00	3,541 00
Nurses' Home.....	Plumbing.....	John J. Kenney Co....	7,745 00	
		Deduction	50 00	
			$7,695 00	7,695 00
*.....	Fire alarm system.....	C. & M. Construction Co.....	9,564 79	
*Power house addition.....	Construction.....	Harby, Abrons & Melius, Inc.....	62,835 00	
*Power plant.....	Heating.....	Walker & Chambers...	39,720 00	
*Power plant.....	Plumbing, drainage.....	R. T. Ford Co.....	2,793 00	
*Power plant.....	Electric.....	Jandous Electric Equipment Co.....	2,250 00	
*Acute hospital, 150 patients.....	Construction.....	Emerson Bldg. Co.....	118,500 00	
		Addition	295 50	
			$118,795 50	26,898 67
*Acute hospital, 150 patients.....	Plumbing and drainage...	James Harley Plumbing Co.....	$11,879 00	
		Addition	101 00	
			$11,980 00	1,891 25
*Acute hospital, 150 patients.....	Heating.....	Walker & Chambers...	11,425 00	
*Acute hospital, 150 patients.....	Electric.....	Lewis H. Woods.....	5,943 60	
*Acute hospital, 200 patients.....	Construction.....	Emerson Bldg. Co.....	141,000 00	
		Addition	968 60	
			$141,968 60	28,575 81
*Acute hospital, 200 patients.....	Heating.....	Walker & Chambers...	16,200 00	
*Acute hospital, 200 patients.....	Plumbing and drainage...	James Harley Plumbing Co.....	10,074 00	1,524 90
*Acute hospital, 200 patients.....	Electric.....	Jandous Electric Equipment Co.....	5,825 00	
		Addition	37 00	
			$5,862 00	
Nurses' home.....	Hardware.....	Lockwood Co.....	1,461 00	1,461 00

Middletown State Hospital, Middletown, N. Y.

Building	Work	Contractor	Contract	Certificates
*Power house addition.....	Construction.....	Arthur Casey.....	$4,378 00	

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
*Power house addition	Plumbing	R. T. Ford Co.	2,087 00	
*Power house addition	Heating	R. T. Ford Co.	74,393 00	
*Power house addition	Electric	Buffalo Electric Co.	3,972 00	
Power house	Construction	N. R. Valkenburgh	48,761 00	
		Addition	28,340 55	
			$77,101 55	
		Deduction	300 00	
			$76,801 55	$25,745 10
Power hous	Plumbing	R. T. Ford Co.	$4,168 00	1,126 70
Power house	Gang openers	Lord & Burnham Co.	195 00	195 00
	Outside pump well connections	N. R. Valkenburgh	1,789 00	1,079 25
Chronic building	Elevator doors, frames	Mead & Taft Co.	164 00	164 00

Mohansic State Hospital, Yorktown, N. Y.

Building	Work	Contractor	Contract	Certificates
Electric railway	Construction	Thomas O'Hern, assigned to Lathrop, Shea & Henwood Co. Addition, Chap. 726, Laws of 1915	$500 00	$500 00
Railway spur, trestle	Supervising Engineers	Ricker & Minnies	10 per cent.	

Rochester State Hospital, Rochester, N. Y.

Building	Work	Contractor	Contract	Certificates
Nurses' home	Electric	O'Connell Electric Co.	$2,200 00	$347 00
	Hardware	Lockwood Co.	890 00	
		Addition	3 13	
			$893 13	893 13
	Steam header main	Edward Towe	3,600 00	
		Addition	136 42	
			$3,736 42	
		Deduction	35 00	
			$3,701 42	2,604 92
Pumping station	Construction	Edward B. Foote	4,300 00	4,300 00
Laundry	Additional equipment	American Laundry Machinery Co.	5,298 00	
		Deduction	27 00	
			$5,271 00	5,271 00
*North building	Sanitary	R. T. Ford Co.	7,997 00	5,193 50
*North building. Administration building	Plumbing, etc.	R. T. Ford Co.	1,169 00	601 80

* An asterisk indicates that the contract was in force September 30, 1915.

St. Lawrence State Hospital, Ogdensburg, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Water softening apparatus	L. M. Booth Co.....	$6,580 00	$2,252 50
.....	Improving heating system	Wm. F. Devendorf....	47,250 00	
		Addition	887 52	
			$48,137 52	
		Deduction	326 32	
			$47,811 20	$9,236 07

Willard State Hospital, Willard, N. Y.

Building	Work	Contractor	Contract	Certificates
East hall.....	Stair fire escape.....	C. E. Kohlmets.....	$585 00	$585 00

CHARITABLE INSTITUTIONS

Western House of Refuge for Women, Albion, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Sewers.....	E. Franklin Clarke....	$2,040 00	

State School for the Blind, Batavia, N. Y.

Building	Work	Contractor	Contract	Certificates
*Hospital.....	Alterations, additions....	A. Friederich & Sons Co.	$12,290 00	
*Hospital.....	Plumbing and drainage...	Burns Bros.....	3,221 00	
*Hospital.....	Heating.....	George H. Chick.....	1,296 00	
*Hospital.....	Electric.....	Wheeler-Green Electric Co.....	417 00	
.....	Increased boiler capacity.	Myron E. Whitham...	2,373 00	
		Addition	200 00	
			$2,573 00	
		Deduction	30 00	
			$2,543 00	$544 70

New York State Soldiers' and Sailors' Home, Bath, N. Y.

Building	Work	Contractor	Contract	Certificates
[illegible]	Two 125 h. p. boilers.....	E. Keeler Co	$4,374 00	
		Deduction	30 00	
			$4,324 00	$4,324 00
*Barn	Construction	Holcran Bros . . .	7,429 30	2,964 50
*Electric plant	Electric	N. Y. Construction Co.	6,533 30	3,255 50
* [illegible]	Electric entrances	Warner Elevator Co .	4,200 00	
		Addition	30 00	
			$4,230 00	3,472 81
*Electric plant	Alterations . .	Wanley-James Electric Co . .	3,382 35	
		Addition	75 00	
			$3,436 35	

* An account indicates that the contract was in force September 30, 1913.

Building	Work	Contractor	Contract	Certificates
.....	Piping, conduit.....	R. T. Ford Co.....	$5,963 00	
		Deduction	49 00	
			$5,914 00	$5,914 00

State Reformatory for Women, Bedford, N. Y.

Building	Work	Contractor	Contract	Certificates
Cottages 14, 15 and 16.....	Heating.....	W. B. Armstrong Co...	$12,678 00	$12,678 00
Cottages 14, 15 and 16.....	Construction.....	Casper Ranger Construction Co.....	62,981 00	
		Addition	2,707 18	
			$65,688 18	
		Deduction	1,560 00	
			$64,128 18	43,728 81
Cottages 14, 15 and 16.....	Plumbing.....	Edward A. Keeler.....	5,828 00	
		Addition	170 07	
			$5,998 07	
		Deduction	12 00	
			$5,986 07	5,323 07
Cottages 9, 10 and 11.....	Heating.....	R. T. Ford Co.....	8,000 00	8,000 00
Cottages 9, 10 and 11.....	Plumbing.....	R. T. Ford Co.....	9,300 00	4,565 50
Cottages 9, 10 and 11.....	Construction.....	Callanan & Prescott...	74,862 00	
		Addition	247 57	
			$75,109 57	
		Deduction	1,800 00	
			$73,309 57	55,456 17
Cottage 13.....	Construction.....	Callanan & Prescott....	21,000 00	
		Addition	200 00	
			$21,200 00	
		Deduction	666 75	
			$20,533 25	20,533 25
Cottage 13.....	Heating.....	R. T. Ford Co.....	1,600 00	1,600 00
Cottage 13.....	Plumbing.....	Edward A. Keeler.....	1,995 00	
		Addition	56 33	
			$2,051 33	
		Deduction	4 00	
			$2,047 33	1,945 33
New boiler plant....	Piping and conduit.....	W. B. Armstrong Co...	7,140 00	7,140 00
New boiler plant...	Piping and conduit.....	R. T. Ford Co.....	22,897 00	
		Addition	205 25	
			$23,102 [illegible]	

* An asterisk indicates that the contract was in force September 30, 1915.

St. Lawrence State Hospital, Ogdensburg, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Water softening apparatus	L. M. Booth Co.....	$6,580 00	$2,252 50
.....	Improving heating system	Wm. F. Devendorf....	47,250 00	
		Addition	887 52	
			$48,137 52	
		Deduction	326 32	
			$47,811 20	$9,236 07

Willard State Hospital, Willard, N. Y.

Building	Work	Contractor	Contract	Certificates
East hall.....	Stair fire escape.....	C. E. Kohlmets.....	$585 00	$585 00

CHARITABLE INSTITUTIONS

Western House of Refuge for Women, Albion, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Sewers.....	E. Franklin Clarke....	$2,040 00	

State School for the Blind, Batavia, N. Y.

Building	Work	Contractor	Contract	Certificates
*Hospital.....	Alterations, additions....	A. Friederich & Sons Co.	$12,299 00	
*Hospital.....	Plumbing and drainage...	Burns Bros.....	3,221 00	
*Hospital.....	Heating.....	George H. Chick.....	1,296 00	
*Hospital.....	Electric.....	Wheeler-Green Electric Co.....	417 00	
.....	Increased boiler capacity.	Myron E. Whitham...	2,373 00	
		Addition	200 00	
			$2,573 00	
		Deduction	30 00	
			$2,543 00	$844 70

New York State Soldiers' and Sailors' Home, Bath, N. Y.

Building	Work	Contractor	Contract	Certificates
.....	Two 125 h. p. boilers.....	E. Keeler Co.....	$4,374 00	
		Deduction	50 00	
			$4,324 00	$4,324 00
*Barn.....	Construction.....	Holleran Bros.....	7,429 00	2,864 50
*Electric plant.....	Electric.....	N. Y. Construction Co.	6,533 00	3,255 50
*.....	Electric elevators.....	Warsaw Elevator Co...	4,169 00	
		Addition	20 00	
			$4,189 00	3,472 83
*Electric plant.....	Alterations.....	Woolley-James Electric Co.....	3,381 25	
		Addition	75 00	
			$3,456 25	

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
.....	Piping, conduit.....	R. T. Ford Co.....	$5,963 00	
		Deduction	49 00	
			$5,914 00	$5,914 00

State Reformatory for Women, Bedford, N. Y.

Building	Work	Contractor	Contract	Certificates
Cottages 14, 15 and 16.....	Heating.....	W. B. Armstrong Co...	$12,678 00	$12,678 00
Cottages 14, 15 and 16.....	Construction.....	Casper Ranger Construction Co.....	62,981 00	
		Addition	2,707 18	
			$65,688 18	
		Deduction	1,560 00	
			$64,128 18	43,728 81
Cottages 14, 15 and 16.....	Plumbing.....	Edward A. Keeler.....	5,828 00	
		Addition	170 07	
			$5,998 07	
		Deduction	12 00	
			$5,986 07	5,323 07
Cottages 9, 10 and 11.....	Heating.....	R. T. Ford Co.....	8,000 00	8,000 00
Cottages 9, 10 and 11.....	Plumbing.....	R. T. Ford Co.....	9,300 00	4,565 50
Cottages 9, 10 and 11.....	Construction.....	Callanan & Prescott...	74,862 00	
		Addition	247 57	
			$75,109 57	
		Deduction	1,800 00	
			$73,309 57	55,456 17
Cottage 13.....	Construction.....	Callanan & Prescott....	21,000 00	
		Addition	200 00	
			$21,200 00	
		Deduction	666 75	
			$20,533 25	20,533 25
Cottage 13.....	Heating.....	R. T. Ford Co.....	1,600 00	1,600 00
Cottage 13.....	Plumbing.....	Edward A. Keeler.....	1,995 00	
		Addition	56 33	
			$2,051 33	
		Deduction	4 00	
			$2,047 33	1,945 33
New boiler plant....	Piping and conduit.....	W. B. Armstrong Co...	7,140 00	7,140 00
New boiler plant...	Piping and conduit.....	R. T. Ford Co.....	22,897 00	
		Addition	205 25	
			$23,102 25	23,102 25

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
New boiler plant...	Electric.....	N. Y. Construction Co.	$4,275 00	
		Addition	77 00	
			$4,352 00	$4,352 00
Power house.....	Hardware.....	Reading Hardware Co.	143 27	
		Addition	27 75	
			$171 02	171 02
Hospital.....	Construction.....	Casper Ranger Construction Co.....	32,428 00	
		Addition	146 80	
			$32,574 80	
		Deduction	675 00	
			$31,899 80	18,848 90
Hospital.....	Heating.....	R. T. Ford Co.....	3,000 00	3,000 00
Hospital.....	Plumbing.....	Edward A. Keeler.....	2,950 00	
		Addition	71 00	
			$3,021 00	
		Deduction	15 00	
			$3,006 00	2,527 88
Hospital.....	Electric.....	Edward A. Keeler.....	1,611 54	1,611 54
Farm group.....	Water supply.....	N. Y. Sewage Disposal Co.....	6,521 00	6,521 00
Cottages 14, 15 and 16.....	Hardware.....	Lockwood Co.....	962 60	
		Addition	10 06	
			$972 06	
		Deduction	4 40	
			$967 66	967 66
Cottage 13.....	Hardware.....	Lockwood Co.....	157 00	157 00
Cottages 9, 10 and 11.....	Hardware.....	Norwalk Lock Co.....	430 00	
		Addition	27 00	
			$457 00	457 00
*.....	Feeders, etc.....	Commercial Construction Co.....	2,771 00	850 00
*Sewage disposal plant, etc.....	Additions, alterations, sewers, etc.....	Briante Construction Co.....	37,993 00	
		Addition	15 00	
			$38,008 00	
		Deduction	7,788 75	
			$30,219 25	14,766 58
*Power house.....	Construction.....	D. F. Dakin Co.....	38,950 00	
		Addition	1,885 76	
			$40,835 76	
		Deduction	220 00	
			$40,615 76	18,742 50

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
*Boiler house.....	Piping and conduit.....	Gillis & Geoghegan....	$37,900 00	
		Addition	990 20	
			$38,890 20	
		Deduction	400 00	
			$38,490 20	$31,070 05
*Power house.....	Electric equipment.....	T. Frederick Jackson...	10,283 00	
		Addition	488 50	
			$10,771 50	8,361 87
*Boiler house.....	Plumbing.....	Peter Keeler Bldg. Co..	2,719 00	
		Addition	76 68	
			$2,795 68	2,117 93
*Boiler house.....	Equipment.....	Gillis & Geoghegan....	2,968 00	2,261 00
*Cottage 13.....	Electric.....	Edward A. Keeler.....	810 61	
		Addition	101 77	
			$912 38	657 90
*Cottages 14, 15 and 16.....	Electric.....	Edward A. Keeler.....	3,343 66	
		Addition	305 50	
			$3,649 16	
		Deduction	9 60	
			$3,639 56	2,669 00
*Cottages 9, 10 and 11.....	Electric.....	Edward A. Keeler.....	2,949 19	
		Addition	305 48	
			$3,254 67	1,763 75
*Filtration plant....	Large open well.....	Suburban Engineering Co.....	5,485 00	

State Training School for Girls, Hudson, N. Y.

Building	Work	Contractor	Contract	Certificates
School building.....	Construction.....	D. W. Dean.....	$63,713 00	
		Addition	1,305 44	
			$65,018 44	
		Deduction	1,250 00	
			$63,768 44	$21,795 44
School building.....	Electric.....	Peter Keeler Bldg. Co..	2,420 00	1,128 85
School building.....	Heating.....	J. J. Horan & Co.....	4,390 00	2,415 45
School building.....	Hardware.....	Lockwood Co.....	598 00	
		Addition	11 00	
			$609 00	609 00
School building.....	Plumbing.....	W. B. Armstrong Co...	3,947 00	
		Addition	106 50	
			$4,053 50	1,494 58
Cottages 1, 2 and 3.	Electric.....	New York Construction Co.....	$2,565 00	$498 65

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
Cottages 13 and 14.	Hardware.....	Lockwood Co.....	$799 00	
		Addition	2 77	
			$801 77	$801 77
Cottages 13 and 14..	Heating.....	W. B. Armstrong Co...	5,630 00	
		Addition	92 40	
			$5,722 40	2,791 60
Cottages 13 and 14..	Electric.....	T. Frederick Jackson..	5,087 00	
		Addition	45 00	
			$5,132 00	3,159 15
Cottages 13 and 14..	Steam connections.....	D. W. Dean.....	75 00	75 00
Cottages 13 and 14..	Plumbing.....	P. C. Doherty.....	4,378 00	
		Addition	140 00	
			$4,518 00	
		Deduction	64 00	
			$4,454 00	1,063 01
Cottages 13 and 14..	Construction.....	Berrigan Contracting Co.....	44,700 00	
		Addition	54 00	
			$44,754 00	
		Deduction	1,210 00	
			$43,544 00	7,206 50
Cottages 13 and 14..	Electric.....	F. W. Newman & Son, Inc.....	115 00	115 00
Main building.....	New boilers.....	R. T. Ford Co.....	7,589 00	7,589 00
Main building.....	Hot water piping.....	Thos. A. O'Malley.....	581 00	581 00
School building.....	Trunk conduit.....	Peter Keeler Bldg. Co..	6,006 00	
		Addition	945 23	
			$6,951 23	2,658 30
Stuyvesant house...	Razing.....	M. J. Jackson & Son Co., Inc.....	4,162 00	
		Deduction	300 00	
			$3,862 00	1,737 00
*Hospital building..	Outside plumbing, drainage.....	Burns Bros.....	1,269 00	
*Hospital building..	Electric elevator.....	Houser Elevator Co....	2,430 00	
*Hospital building..	Construction.....	Simon Russek, Inc.....	54,935 00	13,116 69
*Hospital building..	Heating.....	Walker & Chambers...	3,680 00	
*Hospital building..	Plumbing, drainage.....	C. F. Mentsinger's Sons	5,478 00	
*Hospital building..	Electric.....	Peet & Powers.....	2,900 00	
		Addition	39 00	
			$2,939 00	
*.....	New retaining wall, pipes, grading.....	L. E. Ragan.....	1,090 00	
		Addition	273 00	
			$1,363 00	919 70
*Hospital building..	Laundry equipment.....	Troy Laundry Machinery Co.....	2,700 00	

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificate*
*Cottages 11 and 12.	Construction	Nial Bros. Construction Co.	$49,417 00	
		Addition	4,306 79	
			$53,723 79	
		Deduction	94 32	
			$53,629 47	$31 00
*Ice house	Razing	M. J. Jackson & Son Co., Inc.	300 00	
*Contagious hospital	Construction	Weaver Bldg. Co., Inc.	6,625 00	
		Deduction	300 00	
			$6,325 00	2,931 65
*Contagious hospital	Outside heating work	J. J. Horan & Co.	4,912 00	
*Contagious hospital	Hardware	Lockwood Co.	258 00	
*Contagious hospital	Plumbing	C. F. Mentsinger's Son.	2,974 00	1,553 80
*Contagious hospital	Electric	Murphy & Walsh	231 00	72 25
*Contagious hospital	Heating	Walker & Chambers	865 00	
*Contagious hospital	Electric	New York Construction Co.	1,409 00	
*Laundry	Construction	Catskill Supply Co.	2,285 00	1,262 25
*Laundry	Heating	W. B. Armstrong Co.	1,444 00	
Cottages 13 and 14	Changing locks, etc.	Albany Hardware & Iron Co.	175 00	175 00
Cottages 2 and 4	New floors	Albany Parquet Floor Co.	3,640 00	
		Addition	151 38	
			$3,791 38	3,791 38
	Lamp fuses	T. Frederick Jackson, Inc.	134 00	134 00

State Agricultural and Industrial School, Industry, N. Y.

Building	Work	Contractor	Contract	Certificates
*Hospital addition	Construction	John H. Waight	$5,900 00	
		Addition	509 00	
			$6,409 00	$1,666 00
*Hospital addition	Electric	Wheeler-Green Electric Co.	255 00	
		Addition	27 00	
			$282 00	
*Hospital addition	Plumbing, drainage	D. A. Alexander Co.	1,120 00	
*Hospital addition	Heating	D. A. Alexander Co.	978 00	
		Addition	96 00	
			$1,074 00	

Letchworth Village, Thiells, N. Y.

Building	Work	Contractor	Contract	Certificates
Cottages A, B, C and D	Plumbing	W. B. Armstrong Co.	$11,398 00	
		Addition	310 73	
			$11,708 73	$4,920 00

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
Cottages 13 and 14	Hardware	Lockwood Co	$799 00	
		Addition	2 77	
			$801 77	$801 77
Cottages 13 and 14	Heating	W. B. Armstrong Co	5,630 00	
		Addition	92 40	
			$5,722 40	2,791 60
Cottages 13 and 14	Electric	T. Frederick Jackson	5,087 00	
		Addition	45 00	
			$5,132 00	3,159 15
Cottages 13 and 14	Steam connections	D. W. Dean	75 00	75 00
Cottages 13 and 14	Plumbing	P. C. Doherty	4,378 00	
		Addition	140 00	
			$4,518 00	
		Deduction	64 00	
			$4,454 00	1,063 01
Cottages 13 and 14	Construction	Berrigan Contracting Co	44,700 00	
		Addition	54 00	
			$44,754 00	
		Deduction	1,210 00	
			$43,544 00	7,206 50
Cottages 13 and 14	Electric	F. W. Newman & Son, Inc	115 00	115 00
Main building	New boilers	R. T. Ford Co	7,589 00	7,589 00
Main building	Hot water piping	Thos. A. O'Malley	581 00	581 00
School building	Trunk conduit	Peter Keeler Bldg. Co.	6,006 00	
		Addition	945 23	
			$6,951 23	2,658 30
Stuyvesant house	Razing	M. J. Jackson & Son Co., Inc	4,162 00	
		Deduction	300 00	
			$3,862 00	1,737 00
*Hospital building	Outside plumbing, drainage	Burns Bros	1,269 00	
*Hospital building	Electric elevator	Houser Elevator Co	2,430 00	
*Hospital building	Construction	Simon Russek, Inc	54,935 00	13,116 69
*Hospital building	Heating	Walker & Chambers	3,680 00	
*Hospital building	Plumbing, drainage	C. F. Mentsinger's Sons	5,478 00	
*Hospital building	Electric	Peet & Powers	2,900 00	
		Addition	39 00	
			$2,939 00	
*	New retaining wall, pipes, grading	L. E. Ragan	1,090 00	
		Addition	273 00	
			$1,363 00	919 70
*Hospital building	Laundry equipment	Troy Laundry Machinery Co	2,700 00	

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificate*
*Cottages 11 and 12.	Construction	Nial Bros. Construction Co.	$49,417 00	
		Addition	4,306 79	
			$53,723 79	
		Deduction	94 32	
			$53,629 47	$31 00
*Ice house	Rasing	M. J. Jackson & Son Co., Inc.	300 00	
*Contagious hospital	Construction	Weaver Bldg. Co., Inc.	6,625 00	
		Deduction	300 00	
			$6,325 00	2,931 65
*Contagious hospital	Outside heating work	J. J. Horan & Co.	4,912 00	
*Contagious hospital	Hardware	Lockwood Co.	258 00	
*Contagious hospital	Plumbing	C. F. Mentsinger's Son.	2,974 00	1,553 80
*Contagious hospital	Electric	Murphy & Walsh	231 00	72 25
*Contagious hospital	Heating	Walker & Chambers	865 00	
*Contagious hospital	Electric	New York Construction Co.	1,409 00	
*Laundry	Construction	Catskill Supply Co.	2,285 00	1,262 25
*Laundry	Heating	W. B. Armstrong Co.	1,444 00	
Cottages 13 and 14	Changing locks, etc.	Albany Hardware & Iron Co.	175 00	175 00
Cottages 2 and 4	New floors	Albany Parquet Floor Co.	3,640 00	
		Addition	151 38	
			$3,791 38	3,791 38
.....	Lamp fuses	T. Frederick Jackson, Inc.	134 00	134 00

State Agricultural and Industrial School, Industry, N. Y.

Building	Work	Contractor	Contract	Certificates
*Hospital addition	Construction	John H. Waight	$5,900 00	
		Addition	509 00	
			$6,409 00	$1,666 00
*Hospital addition	Electric	Wheeler-Green Electric Co.	255 00	
		Addition	27 00	
			$282 00	
*Hospital addition	Plumbing, drainage	D. A. Alexander Co.	1,120 00	
*Hospital addition	Heating	D. A. Alexander Co.	978 00	
		Addition	96 00	
			$1,074 00	

Letchworth Village, Thiells, N. Y.

Building	Work	Contractor	Contract	Certificates
Cottages A, B, C and D	Plumbing	W. B. Armstrong Co.	$11,398 00	
		Addition	310 73	
			$11,708 73	$4,920 00

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificate
Cottages A, B, C and D	Hardware	Lockwood Co.	$688 00	
		Addition	6 00	
			$694 00	$694 00
Cottages A, B, C and D	Electric	Peter Keeler Bldg. Co.	3,670 00	3,169 67
	Expert assistants	Nygren, Tenney & Ohmes	Percentage 6 per cent of cost	
Cottages A, B, C and D	Construction	Torrington Building Co.	107,966 00	
		Addition	535 93	
			$108,501 93	
		Deduction	1,418 48	
			$107,083 45	50,578 45
*	Underground piping	Blake & Williams	18,290 00	
		Addition	356 00	
			$18,646 00	
		Deduction	20 00	
			$18,626 00	1,445 00
*Power house	Construction	Simon Russek, Inc.	13,610 00	
		Deduction	80 00	
			$13,530 00	7,753 50
*Power house	Hardware	The Lockwood Co.	59 00	
*Power house	Plumbing and drainage	J. F. Eagan	1,485 00	
		Addition	268 29	
			$1,753 29	884 00
*Central heating plant	Construction	Blake & Williams	44,988 00	
		Addition	260 00	
			$45,248 00	
		Deduction	233 00	
			$45,015 00	23,757 50
*Power house	Electric	Isidor Fajans	254 00	
*	Landscape architect	W. W. Bosworth	Percentage	
*Service building	Construction	H. H. Vought & Co.	36,973 00	
*Service building	Plumbing, etc.	J. J. Kenny Co.	7,433 00	
*Service building	Heating	J. J. Horan & Co.	7,482 00	
*Service building	Electric	W. H. Straut Co.	517 00	
*Cottages A, B, C and D	Heating	Blake & Williams	17,587 00	10,337 70
*Cottages A, B, C and D	Electric connections	Isidor Fajans	5,625 00	
*Laundry building	Construction	Harriman Industrial Corporation	22,315 00	
*Laundry building	Heating	J. J. Horan & Co.	4,482 00	
*Laundry building	Plumbing and drainage	Peter Keeler Bldg. Co.	2,415 00	
*Laundry building	Equipment	Troy Laundry Machinery Co.	3,278 00	

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
*Attendants' home..	Construction.....	H. H. Vought & Co....	$35,619 00	
*Attendants' home..	Heating.....	J. J. Horan & Co.....	6,134 00	
*Attendants' home..	Plumbing and drainage...	J. J. Kenney Co.....	5,500 00	
*Attendants' home..	Electric.....	W. H. Straut Co.....	669 00	
*.....	Consulting engineers.....	Nygren, Tenney & Ohmes.....	Contract, 6 per cent	
Power house.....	Rubble fill.....	F. Tavarone.....	280 00	$280 00

State Custodial Asylum for Feeble-Minded Women, Newark, N. Y.

Building	Work	Contractor	Contract	Certificate*
Employes building..	Construction.....	Dollard Construction Co.....	$19,600 00	
		Addition	90 90	
			$19,690 90	
		Deduction	524 86	
			$19,166 04	$4,122 46
Employes building..	Plumbing.....	R. T. Ford Co.....	4,305 00	
		Addition	66 00	
			$4,371 00	
		Deduction	19 75	
			$4,351 25	1,619 00
Employes building..	Hardware.....	Norwalk Lock Co.....	458 00	458 00
Employes building..	Electric.....	Peter Keeler Bldg. Co..	685 00	325 03
Employes building..	Heating.....	Young & Power.....	3,000 00	
		Addition	285 64	
			$3,285 64	993 03
Employes building..	Underground conduits...	Earl J. Adams, assigned to Hammer-Beach Co.....	485 00	485 00
*Hospital.....	Construction.....	A. W. Summers.....	40,498 00	
		Addition	35 00	
			$40,533 00	15,305 40
*Hospital.....	Heating.....	Barr & Creelman.....	4,391 00	2,125 00
*Hospital.....	Plumbing and drainage...	Barr & Creelman.....	4,590 00	1,130 50
*Hospital.....	Electric.....	O'Connell Electric Co..	985 00	
*Cottages 92 inmates.....	Construction.....	O. E. Schuman.....	43,516 00	14,340 05
*Cottage, 92 inmates	Heating.....	R. T. Ford Co.....	6,687 00	
*Cottage, 92 inmates	Plumbing.....	R. T. Ford Co.....	4,062 00	
*Cottage, 92 inmates	Electric.....	Conduit Electric Co....	1,476 00	
*.....	Outside plumbing.....	P. J. Sullivan Co.....	859 00	
		Addition	42 84	
			$901 84	763 16

* An asterisk indicates that the contract was in force September 30, 1915.

Woman's Relief Corps Home, Oxford, N. Y.

Building	Work	Contractor	Contract	Certificates
Water supply.....	Drilling wells.....	W. W. Butts, 200 ft. at	$2 50	
		90 ft. at	3 20	
		100 ft. at	3 20	
			$1,108 00	
		Addition	274 00	
			$1,382 00	$1,382 00
*Hospital addition..	Construction.....	Hall & Matterson.....	784 60	654 67
*Hospital addition..	Electric elevator.....	Otis Elevator Co.....	1,980 00	
*.....	Engine and dynamo.....	Beeler Engineering Co.	1,416 00	

Rome State Custodial Asylum, Rome, N. Y.

Building	Work	Contractor	Contract	Certificates
*Dormitory building	Construction.....	George B. Long.....	$88,500 00	
		Addition	14,118 82	
			$102,618 82	$5,457 00
*Dormitory building	Heating.....	R. T. Ford Co.....	18,767 00	
		Addition	430 00	
			$19,197 00	
*Dormitory building	Plumbing, drainage.....	R. T. Ford Co.....	9,973 00	
		Addition	381 51	
			$10,354 51	
*Dormitory building	Electric.....	Langdon & Hughes Electric Co.....	3,663 00	

Craig Colony for Epileptics, Sonyea, N. Y.

Building	Work	Contractor	Contract	Certificates
Sewage disposal plant.....	Construction.....	McWhirk Construction Co., assigned to F. L. Cohen.....	$16,986 00	
		Addition	300 00	
			$17,286 00	$12,600 80
.....	Enlarging underground railroad crossing.....	Penn. R. R. Co., not to exceed.....	10,000 00	2,595 19
Power plant.....	Plumbing, drainage.....	R. T. Ford Co.....	1,645 00	688 75
Power plant.....	Construction, chimney...	Heine Chimney Co....	4,161 00	
		Addition	143 99	
			$4,304 99	1,482 99
New barn.....	Construction.....	C. A. Foote.....	4,311 00	
		Addition	75 00	
			$4,386 00	3,621 00
*Laundry.....	Equipment.....	American Laundry Machinery Co.....	6,991 00	

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
*Power, heating plant	Engines, generators, etc.	Beeler Engineering Co.	$8,030 00	
		Addition	3,023 00	
			$11,053 00	$8,987 73
*Power, heating plant	Boilers and piping	Gaylord Engineering & Construction Co.	20,973 00	
		Addition	49 00	
			$21,022 00	16,391 61
*	Improvement of water supply	McWhirk Construction Co.	18,575 00	
		Addition	1,404 97	
			$19,979 97	
		Deduction	245 50	
			$19,734 47	14,172 90

State Hospital for Crippled and Deformed Children, West Haverstraw, N. Y.

Building	Work	Contractor	Contract	Certificates
*Hospital	Construction	N. R. Valkenburgh	$29,770 00	$4,741 30
*Hospital	Heating	Teran, Mahaney & Monroe, Inc.	1,695 00	
*Hospital	Plumbing, drainage	Joseph F. Egan	2,799 00	
*Hospital	Electric	Highlands Electric Co.	595 00	
*Two Solaria	Construction	N. R. Valkenburgh	9,484 00	
		Addition	298 80	
			$9,782 80	
		Deduction	325 00	
			$9,457 80	7,375 07
Two solaria	Hardware	Reading Hardware Co.	154 23	154 23
Two solaria	Electric wiring	Enterprise Electrical Co., Inc.	696 06	696 06
*Two solaria	Plumbing	Joseph F. Egan	1,340 00	
		Addition	35 00	
			$1,375 00	709 55

State Training School for Boys, Yorktown Heights, N. Y.

Building	Work	Contractor	Contract	Certificates
Winterburn house	Water supply, pumping outfit	Philip F. Beale	$530 00	$530 00
*Power house and coal pocket	Construction	Callanan & Prescott	20,270 00	
		Addition	13,849 81	
			$34,119 81	13,389 63
*Seven cottages	Construction	Central building Co.	79,900 00	19,278 00
*Seven cottages	Heating	R. T. Ford Co.	12,947 00	

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
*Seven cottages....	Plumbing.....	R. T. Ford Co.....	$11,943 00	
		Addition	35 00	
			$11,978 00	$1,275 00
*Seven cottages....	Electric.....	Mack & Mack.....	2,099 00	
*.....	Water supply system....	Frederick N. Lewis....	27,500 00	
		Addition	1,430 50	
			$28,930 50	
		Deduction	871 44	
			$28,059 06	17,979 22

PRISONS

Great Meadow Prison, Comstock, N. Y.

Building	Work	Contractor	Contract	Certificates
Cell building, south wing.....	Plumbing.....	W. B. Armstrong Co...	$34,935 00	
		Addition	71 50	
			$35,006 50	$23,600 78
Cell building, south wing.....	Refrigerating equipment, mess hall, kitchen building.....	Carbondale Machine Co.....	16,300 00	
		Deduction	20 00	
			$16,280 00	16,280 00
Cell building, south wing.....	Electric.....	Isidor Fajans.....	7,985 00	6,219 55
Cell building, south wing.....	Heating.....	R. T. Ford Co.....	11,490 00	
		Deduction	75 00	
			$11,415 00	7,760 00
Cage.....	Construction.....	A. Pasquini.....	248,000 00	
		Addition	161,330 14	
			$409,330 14	
		Deduction	8,571 70	
			$400,758 44	43,372 16
Storehouse.....	Electric.....	T. Frederick Jackson, Inc.....	1,389 00	1,389 00
.....	Sash operating apparatus.	Lord & Burnham.....	40 00	40 00
.....	Hardware.....	Albany Hardware & Iron Co.....	10 58	10 58
*Cell building, south wing.....	Construction.....	A. Pasquini.....	277,800 00	
		Addition	2,819 59	
			$280,619 59	
		Deduction	1,057 43	
			$279,562 16	118,865 39

* An asterisk indicates that the contract was in force September 30, 1915.

Matteawan State Hospital, Matteawan, N. Y.

Building	Work	Contractor	Contract	Certificates
*Storehouse.....	Refrigerating equipment..	K. Vesterdahl & Co...	$12,450 00	$8,126 00

Sing Sing Prison, Ossining, N. Y.

Building	Work	Contractor	Contract	Certificates
*Power house.....	Plumbing, drainage.....	Burns Bros.....	$2,259 00	
*Power house.....	Boilers.....	Blake & Williams.....	31,380 00	
		Addition	675 76	
			$32,055 76	
		Deduction	55 00	
			$32,000 76	$16,069 90
*.....	Steam engines.....	T. Frederick Jackson, Inc.....	14,089 00	
		Addition	103 00	
			$14,192 00	11,368 75

ARMORIES

Troop B Armory, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Armory.....	Construction.....	Keepsdry Construction Co.....	$111,000 00	
		Addition	10,499 91	
			$121,499 91	
		Deduction	65 00	
			$121,434 91	$70,870 01
*Armory.....	Electric.....	Frost & Sheldon.....	2,261 00	
		Addition	190 00	
			$2,451 00	1,204 45
*Armory.....	Heating.....	J. J. Horan & Co.....	5,847 00	
		Addition	76 00	
			$5,923 00	
		Deduction	50 00	
			$5,873 00	3,400 00
*Armory.....	Plumbing.....	T. A. O'Malley.....	7,375 00	
		Addition	473 15	
			$7,848 15	2,118 25
*Armory.....	Sand for floor.....	M. J. Reagan.....	500 00	
Armory.....	Hardware.....	Norwalk Lock Co.....	708 00	
		Addition	141 00	
			$849 00	849 00

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Troop I Armory, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates
Armory	Survey, map of site	Ellsworth Bros	$35 00	$35 00
*Armory	Construction	C. H. Everitt	$111,565 00	
		Addition	6,406 20	
			$117,971 20	33,752 27
*Armory	Heating	R. T. Ford Co	5,497 00	
		Addition	215 00	
			$5,712 00	
*Armory	Plumbing, drainage	J. J. Bresnahan	8,485 00	
		Addition	760 00	
			$9,245 00	
*Armory	Electric	O'Connell Electric Co	2,800 00	
		Addition	50 00	
			$2,850 00	

NORMAL SCHOOLS

State Normal College, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
School building	Drinking fountains	A. J. Eckert Co	$1,111 50	$1,111 50

Buffalo Normal School, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates
School	Repairs to sump pit	Homer R. Fay	$78 57	$78 57
*School	Telephones	Johnson-Wahle Electric Co	5,290 00	
		Addition	282 65	
			$5,572 65	3,308 62
*School	Electric fixtures	Edward Schroeder Lamp Works	3,509 05	
		Addition	787 50	
			$4,296 55	
		Deduction	97 50	
			$4,199 05	2,890 00
*School	Steam heating system	J. J. Bresnahan	7,985 00	
Principal's residence	Rear porch	A. E. Tunmore	559 00	559 00
School	Plumbing, gas fittings	R. T. Ford Co	17,472 00	
		Addition	808 00	
			$18,280 00	
		Deduction	188 57	
			$18,091 43	3,882 45
School	Heating	R. T. Ford Co	20,990 00	3,352 50
School	Electric	Johnson-Wahle Electric Co	10,267 94	
		Addition	90 75	
			$10,358 69	1,909 00

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
School building.....	Blackboards.....	Randolph McNutt Co.	$5,706 00	$5,706 00
School building.....	Hardware.....	Reading Hardware Co..	2,226 06	
		Addition	12 07	
			$2,238 13	2,238 13
Main building annex	Razing.....	Buffalo House Wrecking & Salvage Co.....	†1,100 00	
School building.....	Construction.....	Eastern Concrete Steel Co.....	363,398 00	
		Addition	950 14	
			$364,348 14	
		Deduction	3,720 20	
			$360,627 94	53,798 35

Brockport Normal School

Building	Work	Contractor	Contract	Certificates*
School building.....	Completing fire escapes...	Chas. Decker Co.....	$39 25	$39 25
School building.....	Construction, fire escapes.	Reinold Staley.....	1,145 00	
		Deduction	14 75	
			$1,130 25	280 25
School building.....	Roofing.....	John Fricker Co.....	3,638 00	3,638 00
School building.....	Resetting three boilers...	Wm. Summerhays & Sons.....	2,660 00	2,660 00

Fredonia Normal School, Fredonia, N. Y.

Building	Work	Contractor	Contract	Certificates
School building.....	New boilers.....	J. J. Horan & Co.....	$7,490 00	
		Addition	375 00	
			$7,865 00	$7,865 00

Oswego Normal School, Oswego, N. Y.

Building	Work	Contractor	Contract	Certificates
School building.....	Deficiency, balance due contract No. 3137.....	John L. Lyttle, Trustee, Wills & Marvin Co..	$993 20	$993 20

Potsdam Normal School, Potsdam, N. Y.

Building	Work	Contractor	Contract	Certificates
School building.....	New boilers.....	New York Engine Co..	$2,680 74	
		Deduction	17 20	
			$2,663 54	$2,663 54

* An asterisk indicates that the contract was in force September 30, 1915.
† Paid State Treasurer.

EDUCATIONAL

Schoharie State School of Agriculture, Cobleskill, N. Y.

Building	Work	Contractor	Contract	Certificates
*School	Construction	C. H. Mitchell Co., assigned to E. H. Titchener	$40,000 00	
		Addition	801 86	
			$40,801 86	$26,138 78
*School	Hardware	Lockwood Co.	280 00	
*School	Heating	J. J. Horan & Co.	2,940 00	
		Addition	20 00	
			$2,960 00	
*School	Plumbing	R. T. Ford Co.	5,637 00	
		Deduction	19 75	
			$5,617 25	3,782 50
*School	Electric	Fleming & Shannon	2,460 00	1,150 05

Cornell University, Ithaca, N. Y.

Building	Work	Contractor	Contract	Certificates
Stock judging pavilion	Electric	Buffalo Electric Contracting Co.	$389 00	$389 00
Stock judging pavilion	Construction	Durolithic Co.	24,690 00	
		Deduction	141 50	
			24,548 50	5,484 70
Agronomy building	Electric	Buffalo Electric Contracting Co.	2,063 00	2,063 00
Agronomy building	Construction	Durolithic Co.	76,987 00	
		Deduction	2,947 52	
			$74,039 48	24,271 98
Agronomy building	Plumbing, gas fittings	Jamieson-McKinney Co.	9,250 00	
		Addition	21 00	
			$9,271 00	5,403 50
Agronomy building	Heating, ventilation	Edward Joy Co.	5,627 00	3,693 25
Forestry building	Service feeders	Buffalo Electric Contracting Co.	1,415 00	
		Addition	849 00	
			$2,264 00	442 00
Forestry building, headquarters building	Electric service connections	Buffalo Electric Contracting Co.	858 00	858 00
Stock judging pavilion and agronomy building	Electric	Davis-Brown Electric Co.	900 00	
		Addition	142 50	
			$1,042 50	1,042 50

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
Forestry building...	Slate blackboards.....	Durolithic Co.....	$165 81	$165 81
Forestry building...	Painting walls, ceilings...	A. E. Kurchoff.....	1,520 00	1,520 00
Forestry building...	Retaining walls.....	J. L. Rohrer.....	1,195 00	1,195 00
Animal husbandry building.....	Pneumatic water system..	Jamieson-McKinney Co	2,295 00	2,295 00
Drill hall.....	Engineering services.....	Balcom & Darrow.....	1,850 00	925 00
Headquarters, stock judging, agronomy, forestry buildings.....	Architect's services.....	Green & Wicks.....	Percentage	
*Drill hall.....	Construction.....	Eastern Concrete Steel Co.....	199,750 00	
		Addition	91 28	
			$199,841 28	
		Deduction	184 40	
			$199,656 88	41,206 75
*Drill hall.....	Electric.....	Isidor Fajans.....	9,698 00	
*Drill hall.....	Plumbing, drainage.....	R. T. Ford Co.....	12,537 00	
		Addition	173 00	
			$12,710 00	
*Drill hall.....	Heating.....	Edward Joy Co.....	17,500 00	
		Addition	85 00	
			$17,585 00	9,202 95
*Drill hall.....	Structural steel.....	Seneca Engineering Co.	68,500 00	
		Addition	184 40	
			$68,684 40	55,840 00
Central heating plant.....	Underground steam piping	John W. Danforth Co..	32,284 00	
		Addition	355 00	
			$32,639 00	
		Deduction	1,000 00	
*Headquarters, agronomy, forestry buildings, stock judging pavilion, central heating plant, etc.....			$31,639 00	31,639 00
	Architectural services, expenses.....	Green & Wicks.....	Percentage	
*Six greenhouses...	Construction.....	King Construction Co..	17,965 00	
		Addition	347 60	
			$18,312 60	11,645 08
*One greenhouse....	Construction.....	Wm. H. Lutton Co....	1,600 00	
*One greenhouse...	Heating.....	Wm. H. Lutton Co....	4,500 00	
		Addition	454 00	
			$4,954 00	2,622 25
*Greenhouses.....	Heating, section D.....	Jamieson-McKinney Co., Inc.....	304 00	
*Greenhouses.....	Plumbing.....	King Construction Co..	264 00	
		Addition	24 90	
			$288 90	
		Deduction	51 80	
			$237 10	

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Building	Work	Contractor	Contract	Certificates
*Greenhouses	Electric	Williams Electric Co.	$294 00	
*Home Economics building	Construction	G. M. Van Alstyne	6,300 00	
*Home Economics building	Heating	Forest City Plumbing Co.	198 00	
*Home Economics building	Plumbing	Forest City Plumbing Co.	290 00	
*Drill hall	Heating work. Underground mains	J. W. Danforth Co.	21,927 00	
*Drill hall	Consulting engineers	Balcom & Darrow	Percentage.	
*Tool barn	Construction	R. D. Green & Son	5,544 28	$1,215 50
*Central heating plant	Construction	J. W. Danforth Co.	10,321 00	
Poultry plant extension	Construction	Driscoll Bros. Co.	6,270 00	
		Addition	71 87	
			$6,341 87	
		Deduction	96 65	
			$6,245 22	6,245 22
*Poultry houses	Plumbing	Jamieson-McKinney Co.	$1,715 00	
		Addition	54 00	
			$1,769 00	658 75
*Poultry houses	Electric	Davis-Brown Electric Co.	598 00	
*Plant industries building	Architectural services	Green & Wicks	Percentage	
Poultry houses	Heating	R. T. Ford Co.	3,434 00	3,434 00
Brooder houses	Construction	Driscoll Bros. Co.	12,460 00	
		Addition	290 70	
			$12,750 70	
		Deduction	16 00	
			$12,734 70	12,734 70
Stock judging pavilion	Painting	George M. Downing	278 00	278 00
Stock judging pavilion	Tan bark	Proctor, Ellison & Co.	400 00	
		Deduction	4 00	
			$396 00	396 00
Stock judging pavilion	Filling spaces of risers	Leroy C. Ballou	84 00	84 00
Stock judging pavilion	Seats	Durolithic Co.	1,652 00	1,652 00
Agronomy building	Hardware	Barr Bros.	33 50	33 50

State School of Agriculture and Domestic Science, Delhi, N. Y.

Building	Work	Contractor	Contract	Certificates
*Dairy building	Construction	J. F. Growe Construction Co., Inc.	$22,475 00	
		Addition	18 04	
			$22,493 04	$11,458 85

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Building	Work	Contractor	Contract	Certificates
*Dairy building....	Heating.....	R. T. Ford Co.....	$7,967 00	
*Dairy building....	Plumbing, drainage.....	H. S. Graham & Sons..	3,275 00	
		Addition	50 00	
			$3,325 00	$1,708 50
*Dairy building....	Electric.....	Murphy & Walsh.....	740 00	212 50

State School of Agriculture on Long Island, Farmingdale

Building	Work	Contractor	Contract	Certificates
Director's residence.	Construction.....	Rufus H. Brown, Inc...	$11,240 00	
		Deduction	200 00	
			$11,040 00	$11,040 00
.....	Water supply.....	Grimshaw & Redfield..	11,920 00	11,920 00
.....	Drilling well.....	Grimshaw & Redfield..	766 00	766 00
*Power house.....	Construction.....	Frank Sibenaler.....	32,486 00	
		Deduction	350 00	
			$32,136 00	26,129 00
*Power house.....	Finishing hardware.....	The Lockwood Co.....	312 00	
*Power house.....	Plumbing.....	McKenna Bros.....	1,320 00	994 50
*Dormitory Bldg...	Construction.....	Frank Sibenaler.....	29,724 00	
		Addition	114 48	
			$29,838 48	
		Deduction	620 00	
			$29,218 48	20,640 41
*Dormitory.....	Hardware.....	The Lockwood Co.....	497 58	
*Dormitory.....	Heating.....	Blake & Williams.....	2,778 00	1,574 20
*Dormitory.....	Plumbing.....	J. F. Egan.....	4,963 00	
		Addition	22 00	
			$4,985 00	1,394 00
*Dormitory.....	Electric.....	Mack & Mack.....	1,042 00	403 75
*Director's residence	Heating.....	Peter Keeler Bldg. Co..	890 00	654 50
*Agronomy and horticulture bldg....	Construction.....	Rufus H. Brown.....	51,500 00	
		Deduction	1,000 00	
			$50,500 00	42,419 25
*Horticulture and agronomy buildings; director's residence.....	Hardware.....	Reading Hardware Co.	552 35	
*Agronomy and horticulture bldgs...	Heating.....	Albert Winternits.....	5,934 00	4,664 80
*Agronomy and horticulture buildings; director's residence.....	Plumbing.....	McKenna Bros.....	3,376 00	
		Addition	63 50	
			$3,439 50	2,710 22

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
*Horticulture bldg..	Electric.....	Mack & Mack.....	$1,042 00	$850 85
*Agronomy building; director's residence.....	Electric.....	Commercial Construction Co.....	1,789 00	
		Deduction	15 00	
			$1,774 00	1,081 63
*Central heating and power plant.....	Electric.....	N. Y. Construction Co.	10,345 00	7,723 95
*Sewage disposal plant.....	Construction.....	Briante Construct'n Co.	44,387 00	
		Deduction	9,000 00	
			$35,387 00	20,598 44
*Central heating and lighting plant....	Boiler plant, piping and conduit.....	Albert Winternits.....	103,000 00	70,044 24

State College of Forestry, Syracuse University, Syracuse, N Y.

Building	Work	Contractor	Contract	Certificates
*College building...	Construction.....	Gustave DeKimpe.....	$207,500 00	
		Deduction	2,560 00	
			$204,940 00	$70,144 97
*College building...	Hardware.....	The Lockwood Co.....	1,941 00	
		Addition	13 40	
			$1,954 40	
		Deduction	18 00	
			$1,936 40	
*College building...	Heating.....	Willard E. Lape.....	14,597 00	
*College building...	Plumbing and gas fitting.	John R. Walsh.....	9,280 00	1,955 00
*College building...	Electric work.....	Edward Joy Co.....	5,418 00	
*.....	Inspection of steel.....	Pittsburgh Testing Laboratory.....	75 00	

Onondaga Indian Reservation

Building	Work	Contractor	Contract	Certificates
*School building....	Construction.....	Fred E. Young.....	$10,838 00	
*School building....	Heating.....	Robert Calder Co.....	1,087 00	

State School of Agriculture, Morrisville, N. Y.

Building	Work	Contractor	Contract	Certificates
Demonstration building.....	Construction.....	W. L. Field.....	$20,995 00	
		Addition	425 00	
			$21,420 00	
		Deduction	675 00	
			$20,745 00	$4,093 50

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Building	Work	Contractor	Contract	Certificates
Demonstration building	Hardware	Sargent & Co.	$132 50	
		Addition	15 84	
			$148 34	$148 34

New York State Institution for Deaf-Mutes, Malone, N. Y.

Building	Work	Contractor	Contract	Certificates
Electric light plant	Generating equipment	Ruser & Muller	$2,200 00	$2,200 00

St. Lawrence University, Canton, N. Y.

Building	Work	Contractor	Contract	Certificates
Green house and shop building	Electric	D. & A. Electric Co.	$685 00	
		Deduction	15 00	
			$670 00	$393 75

PUBLIC BUILDINGS

State Capitol, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Capitol	Restoration of interior skylights	James J. Gorman	$4,500 00	
*Department of health	Electric	Finch & Hahn	1,717 00	
		Addition	295 00	
			$2,012 00	$607 75
*Room 426	Electric	Finch & Hahn	295 00	
*Secretary of State	Electric	Finch & Hahn	28 00	
*Assembly library	Bookcases	Cobb-Macy-Dohme	168 00	
*Capitol	Structural steel, iron work, stair construction, etc.	Feeney & Sheehan Building Co.	37,620 00	
		Addition	20 00	
			$37,640 00	
		Deduction	3,510 00	
			$34,130 00	23,956 97
*West wing	Electric wiring	Finch & Hahn	696 00	
*Room 328	Finishing, repairing	M. Kantrowits	552 00	
Capitol	Lettering doors	M. Kantrowits	83 00	83 00
Capitol	Masonry work, painting	M. Kantrowits	580 00	580 00
*Capitol	Refinishing desks	M. Kantrowits	100 00	
*Department of health	Plumbing	Thos. A. O'Malley	1,327 00	1,040 40
*Capitol	New lavatories	Thos. A. O'Malley	1,291 00	
		Deduction	10 00	
			$1,281 00	1,054 85

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
Capitol	Temporary screen over skylight	W. M. Whitney & Co.	$40 00	$40 00
Capitol	Rugs, etc.	W. M. Whitney & Co.	96 69	96 69
Elevators	Construction	Callanan & Prescott	71,600 00	
		Addition	1,747 00	
			$73,347 00	
		Deduction	410 00	
			$72,937 00	23,388 60
Corridors and rooms	Masonry stone work, etc.	Callanan & Prescott	64,590 00	
		Addition	1,755 26	
			$66,345 26	52,839 36
Capitol	Heating and ventilating	T. E. Gildea, assigned to Callanan & Prescott	41,747 00	
		Addition	14,549 98	
			$56,291 98	
		Deduction	133 25	
			$56,158 73	12,948 36
Legislative library	Wood flooring	Callanan & Prescott	4,200 00	4,200 00
Rooms, third floor	Hardware	Callanan & Prescott	4,001 13	
		Addition	144 84	
			$4,145 97	
		Deduction	876 00	
			$3,269 97	3,269 97
Rooms, third floor	Painting and finishing	Callanan & Prescott	2,440 76	
		Addition	12 20	
			$2,452 96	1,432 96
Rooms 332, 333, 337, 337-A	Glass work	W. B. Chapman	925 00	925 00
Western staircase	Stone work	Connors Bros. Co.	18,500 00	
		Addition	250 15	
			$18,750 15	3,080 40
Fourth, fifth and sixth floors	Carpenter work	Feeney & Sheehan Building Co.	4,982 00	
		Addition	50 00	
			$5,032 00	
		Deduction	50 00	
			$4,982 00	4,982 00
Capitol	Hollow metal work	Feeney & Sheehan Building Co.	5,475 00	
		Addition	35 00	
			$5,510 00	5,510 00
West wing	Electric wiring	Edward Joy Co.	11,775 00	
		Addition	2,837 16	
			$14,612 16	
		Deduction	70 00	
			$14,542 16	12,289 66

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
Department of architecture	Alterations, etc.	Peter Keeler Building Co.	$4,283 00	
		Addition	37 09	
			$4,320 09	
		Deduction	75 00	
			$4,245 09	$4,245 09
Legislative library	Mural painting	Will H. Low	15,000 00	12,750 00
Assembly	Electric light wiring	New York Construction Co.	45,400 00	
		Addition	4,323 30	
			$49,723 30	
		Deduction	25 00	
			$49,698 30	11,833 89
Capitol	Linoleum	G. V. S. Quackenbush	476 80	476 80
Fourth, fifth and sixth floors	Painting	N. B. Smythe	4,743 00	4,743 00
Legislative library	Shelving	Van Dorn Iron Works	2,745 00	2,745 00
Capitol	Expert architectural services	A. L. Brockway	Contract, $50 a day and expenses	
Fourth, fifth and sixth floors	Hardware	Lockwood Co.	$1,997 00	
		Addition	60 00	
			$2,057 00	2,057 00
*Capitol	Lighting fixtures	Wahle-Phillips Co.	$27,995 00	
		Addition	72 46	
			$28,067 46	
		Deduction	461 50	
			$27,605 96	$27,405 96
Assembly chamber	Padlocks for lockers	Albany Hardware and Iron Co.	22 21	22 21
Capitol	Brass pulleys	Albany Hardware and Iron Co.	1 00	1 00
Capitol	Sheathing paper, sash cord, etc.	Albany Hardware and Iron Co.	4 60	4 60
Capitol	Hardware	Albany Hardware and Iron Co.	150 75	150 75
Assembly chamber	Padlocks for gates	Albany Hardware and Iron Co.	2 00	2 00
Capitol	Holders for paper towels	A. P. W. Paper Co.	15 00	15 00
Room 341	Dwarf partition	Annesley & Co.	235 00	235 00
Capitol	Enclosure, telephone operator	The Batavia and New York Wood Working Co.	29 00	29 00
Capitol	Repairing hoist	K. E. Bender	17 87	17 87
Legislative library	Finishing window frames	James Blocksidge	72 00	72 00
Capitol	Coal for temporary toilets	Buchanan Bros.	70 20	70 20
Capitol	Tubing for cement floor	Cadby & Son	10 00	10 00

* An asterisk indicates that the contract was in force September 30, 1915.

Building	Work	Contractor	Contract	Certificates
Capitol	Grate bar, etc	C. C. Campbell	$2 00	$2 00
Capitol	Chimney top	C. C. Campbell	14 03	14 03
Capitol	Prints for designs for hardware	P. W. Clifford	5 00	5 00
Capitol	Rent, hoisting machine	Connors Bros. Co	638 00	638 00
Capitol	Floor wax, brushes, etc	Wm. Dey Ermand Co	30 20	30 20
Capitol	Glass, skylights	Wm. Dey Ermand Co	75 00	75 00
Capitol	Grinding glass, etc	Wm. Dey Ermand Co	46 90	46 90
Capitol	Glass in corridors	Wm. Dey Ermand Co	166 00	166 00
Capitol	Setting and furnishing glass	Wm. Dey Ermand Co	75 00	75 00
Room 336	Glass	Wm. Dey Ermand Co	27 00	27 00
Depart. of architecture	Signal call system	Duggan & Smith	119 17	119 17
Depart. of architecture	Work on elevator	Durand & Marohn	25 00	25 00
Committee room	Spark guard	Durand & Marohn	10 00	10 00
Assembly chamber	Portables	Esco Electric Supply Co	57 00	57 00
Senate chamber	Portables	Esco Electric Supply Co	16 20	16 20
Capitol	Batteries, flash light bulbs	Esco Electric Supply Co	3 18	3 18
Capitol	Fuses for hoists	Esco Electric Supply Co	6 48	6 48
Capitol	Boot socks for use on polished floors	Jos. Feary & Son	2 00	2 00
Document room	Ladders	General Fireproofing Co.	126 50	126 50
Capitol	Roof repairs, west entrance	James J. Gorman	158 00	158 00
Capitol	Furnishing and installing fixtures	Havens Electrical Supply Co	145 25	145 25
Capitol	Elevator repairs	Morton Havens, Jr	2 25	2 25
Banking committee room	Painting	John H. Harrigan	350 00	350 00
Room 260	Railing	Helmes Bros	325 00	325 00
Assembly chamber	Chair, telephone operator.	Helmes Bros	8 25	8 25
Senate clerk's room.	Carpet	Helmes Bros	164 50	164 50
Capitol	Lettering doors, committee rooms	Joseph P. Hogan	8 50	8 50
Rooms 318-321	Painting	Samuel Hyman	275 00	275 00
Room 608	Painting	Samuel Hyman	195 00	195 00
*Superintendent of public works	Electric	Edward F. Joy	1,382 15	
Capitol	Testing air and return lines	Johnson Service Co	40 70	40 70
*Legislative library.	Changing floor outlets	Edward Joy Co	12 00	
Assembly chamber	Fixtures	Edward Joy Co	45 00	45 00
Capitol	Temporary doors, removing partitions, third story	M. Kantrowitz	358 84	358 84
Capitol	Removing temporary toilets	M. Kantrowitz	350 00	350 00
Capitol	Floor foundation, third floor	M. Kantrowitz	1,600 00	
		Addition	650 00	
			$2,250 00	2,250 00

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Building	Work	Contractor	Contract	Certificates
Room 122	Reconstruction, decorating, etc	M. Kantrowitz	$880 00	
		Addition	90 00	
			$970 00	$970 00
Secretary of State	Lettering doors	M. Kantrowitz	20 00	20 00
Room 122	Finishing doors	M. Kantrowitz	28 00	28 00
Secretary of State	Lettering sash	M. Kantrowitz	4 00	4 00
*Treasurer's office	Moving counters	M. Kantrowitz	725 00	
		Addition	95 00	
			$820 00	
Secretary of State	Alterations, improvements	M. Kantrowitz	826 34	826 34
*Rooms 100 to 109, inclusive	Alterations	M. Kantrowitz	2,435 00	
Room 337	Channels and bolts for chandeliers	M. Kantrowitz	198 00	198 00
Capitol	Refinishing table, chairs, etc	M. Kantrowitz	100 00	100 00
Assembly chamber	Refinishing desks, Speaker's room	M. Kantrowitz	150 00	150 00
Prison commission	Alterations, painting	Peter Keeler Bldg. Co.	1,042 00	1,042 00
Capitol	Hardware	Lockwood Co.	64 00	64 00
Capitol	Lettering metal corridor doors	Mac Sign Co	32 60	32 60
Tax commission	Lettering doors	Mac Sign Co	25 75	25 75
Senate chamber	Repairing sash	James McKinney & Son	135 00	135 00
Room 342	Guard railing	John G. Myers Co	336 00	336 00
Legislative library	Rugs	John G. Myers Co	610 00	610 00
Capitol	Shades and transoms	John G. Myers Co	262 80	262 80
Capitol	Watchman's signal system	National District Telegraph Co	111 00	111 00
Capitol	Hanging fixtures, west portion	N. Y. Construction Co.	576 00	
		Addition	30 00	
			$606 00	606 00
Secretary of State	Plumbing, alterations	Thos. A. O'Malley	97 00	97 00
Assembly chamber	Lavatory, clerk's office	Thos. A. O'Malley	115 00	115 00
Assembly chamber	Radiator, speaker's room	Thos. A. O'Malley	38 07	38 07
Assembly chamber	Two desks	C. F. Rattigan	70 00	70 00
Capitol	Removing damaged stonework, etc	Adam Ross Cut Stone Co	50 30	50 30
Legislative library	Awnings	John J. Shea	39 75	39 75
Room 341	Sienna floor border and base	Vermont Marble Co	280 00	280 00
Room 122	Electric	Wahle-Phillips Co	33 00	33 00
Capitol	Andirons	Edward Weller	30 00	30 00
Capitol	Damper for fire-places	Edward Weller	14 00	14 00
Room 342	Steel supports for fire-places	West Side Structural Co.	29 50	29 50
Capitol	Grease	R. B. Wing & Son	13 00	13 00
Secretary of State	Rug	W. M. Whitney & Co.	180 00	180 0
Senate chamber	Covering transoms	W. M. Whitney & Co.	91 00	91 00
Department of health	Construction	Feeney & Sheehan Bldg. Co	34,716 00	34,716 00
Department of health	Heating and ventilating	W. B. Armstrong Co	19,858 00	
		Addition	751 81	
			$20,609 81	20,609 81

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Building	Work	Contractor	Contract	Certificates
Department of architecture.....	Heating.....	W. B. Armstrong Co...	$395 00	$395 00
Department of architecture.....	Electric.....	Duggan & Smith.....	944 00	944 00
Basement.....	Bracing fire lines.....	W. B. Armstrong Co...	417 00	417 00
.....	Plumbing, drainage.....	L. F. Bannon Co.....	54,488 00	
		Addition	4,257 96	
			$58,745 96	
		Deduction	1,538 96	
			$57,207 00	15,160 43
		*Balance unclaimed	1,090 00	

Assembly Chamber

Building	Work	Contractor	Contract	Certificates
Assembly chamber..	Models for carving.....	The Embossing Co....	$2 90	$2 90
Assembly chamber..	Denim covering.....	Helmes Bros.....	65 00	65 00
Assembly chamber..	Carpet.....	Helmes Bros.....	66 00	66 00
Assembly chamber..	Brass binding.....	Helmes Bros.....	33 75	33 75
Assembly chamber..	Window shades.....	Thomas O. Jones.....	110 00	110 00
Assembly chamber..	Finishing desks, speaker's room.....	M. Kantrowits.....	150 00	150 00
Assembly chamber..	Curtains.....	John G. Myers Co.....	511 00	511 00
Assembly chamber..	Consulting expert, acoustics.....	W. C. Sabine.....	200 00	200 00
Assembly chamber..	Ink stands.....	F. D. Sargent.....	210 00	210 00
Assembly chamber..	Construction work, locker and document rooms...	Keepsdry Construction Co.....	13,800 00	13,800 00
Assembly chamber..	Replacing steel sections under speaker's desk...	W. M. Stetson Co.....	53 55	53 55
Assembly chamber..	Black iron hoods.....	Edward Weller.....	10 00	10 00
*Assembly chamber.	Ceiling panels and repairs, new floors.....	Callanan & Prescott...	4,100 00	
		Addition	300 00	
			$4,400 00	507 50
Assembly chamber..	Electric work, document room.....	Finch & Hahn.....	537 00	
		Addition	110 42	
			$647 42	647 42
Assembly chamber..	Alterations of steel windows.....	John H. Harrigan.....	3,233 00	
		Addition	81 00	
			$3,314 00	3,314 00
Assembly chamber..	Ink wells for members' desks.....	John H. Harrigan.....	40 00	40 00
Assembly chamber..	Repairing ventilators, speaker's room.....	John H. Harrigan.....	13 20	13 20
Assembly chamber..	Repairing desks.....	John H. Harrigan.....	43 05	43 05
Assembly chamber..	Electric wiring and fixture hoists.....	N. Y. Construction Co.	3,192 00	3,192 00
Assembly chamber..	Carpet work.....	Helmes Bros.....	4,278 69	4,278 69
Assembly chamber..	Refinishing desks.....	John H. Harrigan.....	3,598 00	
		Addition	1,164 45	
			$4,762 45	2,804 45

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Building	Work	Contractor	Contract	Certificates
Assembly chamber..	Intercommunicating telephone system.....	Morton Havens, Jr....	$108 00	
		Addition	54 00	
			$162 00	$162 00
Assembly chamber..	Cleaning stone work.....	Feeney & Sheehan Bldg. Co.....	4,300 00	
		Deduction	625 00	
			$3,675 00	317 50
Assembly chamber..	Models in connection with carving.....	The Embossing Co....	580 00	580 00

Education Building, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Education building	Door locks for elevators..	Otis Elevator Co.....	$193 00	
*Education building	Electric light fixtures.....	Black & Boyd Mfg. Co.	133,872 97	
		Addition	5,548 00	
			$139,420 97	
		Deduction	5,100 00	
			$134,320 97	
*Education building	Mural decoration.....	Will H. Low.....	30,000 00	$3,233 14
Education building.	Pump, stack room.....	H. R. Worthington....	185 00	185 00
*Education building	Indian exhibits construction.....	W. F. Plass & Bro., Inc.	10,950 00	6,120 00
*Education building	Electric wiring.....	Edward Joy Co.....	771 96	
Education building.	Electric, bookstacks.....	Hatzel & Buehler.....	10,840 00	10,840 00
Education building.	Repairing water main....	Hoy & Co.....	200 44	200 44
Education building.	Materials, repairing water main.....	R. B. Wing & Son.....	56 61	56 61
Education building.	Lettering ends of stacks..	J. P. Hogan.....	90 00	90 00
Education building.	Metal bookstacks and cases.....	Art Metal Construction Co.....	49,611 00	49,611 00
Education building.	Museum cases.....	Ely J. Riesser.....	3,300 00	3,300 00
Education building.	Commemorative tablet...	George W. Cobb, Jr...	5,738 00	5,738 00
Education building.	Folding gates, tree guards	George W. Cobb, Jr...	8,359 00	8,359 00
Education building.	Information desk.....	George W. Cobb, Jr...	543 00	543 00
Education building.	Pressure tank repairs....	Skinner & Arnold.....	1,900 00	523 85

Executive Mansion, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Green house.....	Construction repairs.....	Lord & Burnham Co...	$5,605 00	$4,516 15

State House, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*State house.....	Construction.....	Feeney & Sheehan Building Co.....	$162,000 00	
*State house.....	Heating.....	J. R. Sheehan Co.....	13,911 00	
*State house.....	Plumbing, drainage.....	Edward Joy Co.....	6,568 00	
*State house.....	Electric.....	Edward Joy Co.....	9,753 00	

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Telephone Building, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Banking department	Metal equipment	Canton Art Metal Co.	$3,000 00	
*Comptroller's office	Bronze tablet	Gorham Mfg. Co.	50 00	
Comptroller's office	Moving tablet	Feeney & Sheehan Building Co.	30 00	$30 00
State departments	Linoleum	Helmes Bros.	5,999 00	
		Addition	998 50	
			$6,997 50	
		Deduction	679 46	
			$6,318 04	6,318 04

Old Power House Site, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
Site	Clearing	B. F. Mulderry	$779 00	
		Addition	25 00	
			$804 00	$804 00
*Site	Grading, sodding, etc.	Cramond Construction Co.	7,445 00	

New Capitol Power House, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Power house	Sidewalk repairs	R. T. Ford Co.	$343 00	
*Power house	Grillage on caissons	R. T. Ford Co.	175 00	

REGULATIVE

State Institute for the Study of Malignant Disease, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates
*Gratwick laboratory	Heating, ventilating	Republic Engineering & Construction Co.	$8,567 00	
		Addition	180 99	
			$8,747 99	
		Deduction	19 00	
			$8,728 99	
.....	Road construction	Chas. Berrick's Sons Co.	845 00	$198 57

Quarantine Station, Rosebank, Staten Island, N. Y.

Building	Work	Contractor	Contract	Certificates
*Animal building	Construction, drainage	P. Wolff & Son	$6,191 00	$3,217 25
*Animal building	Heating	W. J. Olvany	558 00	
*Animal building	Plumbing, gas piping	W. C. O'Keefe & Son	570 00	
*Animal building	Electric	Jandous Electric Equipment Co., Inc.	375 00	
		Deduction	55 00	
			$320 00	

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Building	Work	Contractor	Contract	Certificates
Retaining wall.....	Construction.....	John Twinane.....	$11,800 00	
		Addition	2,077 80	
			$13,877 80	$4,119 80

GENERAL

Baker Avenue House, New York City

Building	Work	Contractor	Contract	Certificates
*Store, dwelling....	Repairs, etc.....	William Luke.....	$2,998 00	$996 20

Governor Clinton House, Poughkeepsie, N. Y.

Building	Work	Contractor	Contract	Certificates
*Clinton house.....	Ceiling repairs.....	Madsen & Wistoff Construction Co.....	$52 00	
*Clinton house.....	Reconstruction.....	Seaman & Lovelace....	1,445 00	
		Addition	257 00	
			$1,702 00	
		Deduction	4 50	
			$1,697 50	$658 75
Clinton house.....	Plumbing, drainage.....	Charles Cooke.....	55 00	55 00

Crown Point Reservation, Crown Point, N. Y.

Building	Work	Contractor	Contract	Certificates
*Comfort station...	Carpenter work, painting.	W. P. Dobson.....	$324 12	
*Comfort station...	Plumbing.....	M. Hogan.....	162 00	
*Comfort station...	Cess pools, drains.....	W. P. Oldruff.....	293 00	
*Comfort station...	Sidewalks.....	W. P. Oldruff.....	350 00	
*Comfort station...	Artesian well.....	Chas. Garvey Drilling Co.....	2 50 per ft.	
*Comfort station...	Culverts, rails.....	Thomas Edwards.....	270 00	
Comfort station....	Plumbing.....	Callanan Bros.....	850 00	
		Deduction	21 00	
			$829 00	$829 00
Comfort station....	Construction.....	R. Prescott & Son, Inc.	3,650 00	
		Deduction	40 00	
			$3,610 00	1,608 25

General Herkimer Home, Little Falls, N. Y.

Building	Work	Contractor	Contract	Certificates
Herkimer home....	Construction, restoration.	Chas. Eagan.....	$3,250 00	
		Addition	1,900 38	
			$4,150 38	$4,150 38
*Herkimer home....	Repairs.....	Chas. Eagan.....	2,598 00	
		Addition	103 00	
			$2,701 00	2,175 09

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Letchworth Park, Portage, N. Y.

Building	Work	Contractor	Contract	Certificates
Old homestead.....	Construction.....	Jamestown Construction Co.....	$3,280 00	$560 00
*.....	Electric plant.....	Salisbury Wheel & Mfg. Co.....	415 00	

Schuyler Mansion, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Caretaker's cottage.	Construction.....	Maurice Mead.....	$6,800 00	
		Addition	5,660 76	
			$12,460 76	$10,226 99
Mansion and caretaker's cottage...	Heating.....	Frederick A. Tyler.....	1,700 00	
		Deduction	404 29	
			$1,295 71	
		Addition	10 00	
			$1,305 71	1,305 71
Caretaker's cottage.	Plumbing, drainage.....	A. J. Eckert Co.....	1,190 00	
		Addition	37 79	
			$1,227 79	1,227 79
Caretaker's cottage.	Electric.....	Electric Construction Co.....	224 00	
		Addition	6 77	
			$230 77	230 77

Warren County Fish Hatchery, Warrensburg, N. Y.

Building	Work	Contractor	Contract	Certificates
*Fish hatchery.....	Construction.....	George E. Farrar.....	$4,389 22	
*Fish hatchery.....	Heating.....	James Hunter Heating and Contracting Co..	528 00	
*Fish hatchery.....	Plumbing.....	William A. Deyoe.....	773 00	

Niagara Reservation, Niagara Falls, N. Y.

Building	Work	Contractor	Contract	Certificates
Barn.....	Construction, etc.....	Snyder-Gillett Contracting Co.....	$9,467 00	
		Addition	450 00	
			$9,917 00	$9,917 00

Sir William Johnson Mansion, Johnstown, N. Y.

Building	Work	Contractor	Contract	Certificates
Mansion.....	Heating work.....	Shepard & Goodwill....	$1,197 00	$1,197 00

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Lake George Battleground Park, Lake George, N. Y.

Building	Work	Contractor	Contract	Certificates
.....	Iron fence.....	Theo. F. Kalbfleisch...	$1,198 50	$1,198 50

Washington's Headquarters, Newburgh, N. Y.

Building	Work	Contractor	Contract	Certificates
Restoration.....	Construction.....	Torrington Bldg. Co...	$1,850 00	$880 02
Restoration.....	Electric.....	Torrington Bldg. Co...	100 00	100 00

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HOSPITALS

	Contracts in force October 1, 1914, to September 30, 1915	Contracts completed October 1, 1914, to September 30, 1915	Certificates issued on contracts October 1, 1914, to September 30, 1915	Contracts in force October 1, 1914	Contracts awarded October 1, 1914, to September 30, 1915	Contracts in force October 1, 1915
Binghamton State Hospital	$261,146 33	.....	$110,788 45	$39,615 00	$221,531 33	$261,146 33
Buffalo State Hospital	55,624 00	$43,360 00	26,501 10	43,360 00	12,264 00	12,264 00
Central Islip State Hospital	4,491 00	.....	1,955 00	.....	4,491 00	4,491 00
Gowanda State Hospital	10,786 59	7,489 00	10,124 00	7,489 00	3,297 59	3,297 59
Hudson River State Hospital	35,632 96	3,462 40	3,462 40	32,170 56	3,462 40	32,170 56
Kings Park State Hospital	177,292 24	73,034 94	69,233 74	83,934 65	93,357 59	194,257 30
Long Island State Hospital	128,185 13	964 37	91,450 54	124,920 76	3,264 37	127,220 76
Manhattan State Hospital	593,061 39	104,550 50	145,259 63	112,654 29	480,407 10	488,510 89
Middletown State Hospital	167,947 55	83,117 55	28,310 05	83,117 55	84,830 00	84,830 00
Mohansic State Hospital	500 00	500 00	500 00	500 00	.....	.....
Rochester State Hospital	25,531 55	16,365 55	19,211 35	16,365 55	9,166 00	9,166 00
St. Lawrence State Hospital	54,391 20	47,811 20	11,488 57	47,811 20	6,580 00	6,580 00
Willard State Hospital	585 00	585 00	585 00	585 00	.....	.....
Total	$1,515,174 94	$381,240 51	$518,869 83	$592,523 56	$922,651 38	$1,133,934 43

CHARITIES

Western House of Refuge	$2,040 00	.....	.....	.....	$2,040 00	$2,040 00
State School for the Blind	19,776 00	$2,543 00	$844 70	$2,543 00	17,233 00	17,233 00
State Soldiers and Sailors' Home	31,845 25	10,238 00	19,830 33	4,324 00	27,521 25	21,607 25
State Reformatory for Women	422,250 67	279,967 67	305,946 96	409,085 01	13,165 66	142,283 00
State Training School for Girls	310,160 19	160,733 72	79,702 02	210,262 81	99,897 38	149,426 47
State Agricultural and Industrial School	8,885 00	.....	1,666 00	.....	8,885 00	8,885 00
Letchworth Village	358,702 47	123,436 18	103,819 82	123,156 18	235,546 29	235,266 29
Newark Custodial Asylum	135,522 77	28,430 93	41,657 63	28,430 93	107,091 84	107,091 84
Women's Relief Corps Home	5,562 60	1,382 00	2,036 67	1,382 00	4,180 60	4,180 60
Rome Custodial Asylum	135,833 33	.....	5,457 00	.....	135,833 33	135,833 33
Craig Colony for Epileptics	96,422 46	37,621 99	60,540 97	89,431 46	6,991 00	58,800 47
Hospital for Crippled and Deformed Children	46,542 03	850 23	13,676 15	.....	46,542 03	45,691 80
State Training School for Boys	169,632 87	530 00	52,451 85	530 00	169,102 87	169,102 87
Total	$1,743,175 64	$645,733 72	$687,630 10	$869,145 39	$874,030 25	$1,097,441 92

PRISONS

Great Meadow Prison	$752,446 68	$472,884 52	$217,537 46	$752,446 68	.....	$279,562 16
Matteawan State Hospital	12,450 00	.....	8,126 00	.....	$12,450 00	12,450 00
Sing Sing Prison	48,451 76	.....	27,438 65	46,192 76	2,259 00	48,451 76
Total	$813,348 44	$472,884 52	$253,100 11	$798,639 44	$14,709 00	$340,463 92

ARMORIES

Troop B Armory, Albany	$138,956 06	$849 00	$78,441 71	$137,607 06	$1,349 00	$138,107 06
Troop I Armory, Buffalo	135,813 20	35 00	33,787 27	.....	135,813 20	135,778 20
Total	$274,769 26	$884 00	$112,228 98	$137,607 06	$137,162 20	$273,885 26

NORMAL SCHOOLS

Albany Normal College	$1,111 50	$1,111 50	$1,111 50	.....	$1,111 50	.....
Buffalo Normal School	436,406 46	418,649 76	77,722 62	$418,012 19	18,394 27	$17,756 70
Brockport Normal School	7,467 50	7,467 50	6,617 50	7,467 50	.....	.....
Fredonia Normal School	7,865 00	7,865 00	7,865 00	7,865 00	.....	.....
Oswego Normal School	*993 20	993 20	993 20	993 20	.....	.....
Potsdam Normal School	2,663 54	2,663 54	2,663 54	2,663 54	.....	.....
Total	$456,507 20	$438,750 50	$96,973 36	$437,001 43	$19,505 77	$17,756 70

EDUCATIONAL

Cornell University	$636,607 97	$255,624 71	$228,636 44	$460,705 17	$175,902 80	$380,983 26
Schoharie School of Agriculture	52,119 11	.....	31,073 33	51,839 11	280 00	52,119 11
Delhi School of Agriculture	34,525 04	.....	13,379 85	.....	34,525 04	34,525 04
Farmingdale School of Agriculture	308,878 91	23,726 00	225,609 74	269,493 50	39,385 41	285,152 91
Malone Institute for Deaf Mutes	2,200 00	2,200 00	2,200 00	2,200 00	.....	.....
Morrisville School of Agriculture	20,893 24	20,893 24	4,241 84	20,893 24	.....	.....
St. Lawrence University	670 00	670 00	393 75	670 00	.....	.....
Syracuse College of Forestry	236,246 40	.....	72,099 97	234,310 00	1,936 40	236,246 40
Onondaga Indian Reservation	11,925 00	.....	.....	.....	11,925 00	11,925 00
Total	$1,304,065 67	$303,113 95	$577,634 92	$1,040,111 02	$263,954 65	$1,000,951 72

* Deficiency balance.

HOSPITALS

	Contracts in force October 1, 1914, to September 30, 1915	Contracts completed October 1, 1914, to September 30, 1915	Certificates issued on contracts October 1, 1914, to September 30, 1915	Contracts in force October 1, 1914	Contracts awarded October 1, 1914, to September 30, 1915	Contracts in force October 1, 1915
Binghamton State Hospital	$261,146 33	.....	$110,788 45	$39,615 00	$221,531 33	$261,146 33
Buffalo State Hospital	55,624 00	$43,360 00	26,501 10	43,360 00	12,264 00	12,264 00
Central Islip State Hospital	4,491 00	.....	1,955 00	.....	4,491 00	4,491 00
Gowanda State Hospital	10,786 59	7,489 00	10,124 00	7,489 00	3,297 59	3,297 59
Hudson River State Hospital	35,632 96	3,462 40	3,462 40	32,170 56	3,462 40	32,170 56
Kings Park State Hospital	177,292 24	73,034 94	69,233 74	83,934 65	93,357 59	104,257 30
Long Island State Hospital	128,185 13	964 37	91,450 54	124,920 76	3,264 37	127,220 76
Manhattan State Hospital	593,061 39	104,550 50	145,259 63	112,654 29	480,407 10	488,510 89
Middletown State Hospital	167,947 55	83,117 55	28,310 05	83,117 55	84,830 00	84,830 00
Mohansic State Hospital	500 00	500 00	500 00	500 00	.....	.....
Rochester State Hospital	25,531 55	16,365 55	19,211 35	16,365 55	9,166 00	9,166 00
St. Lawrence State Hospital	54,391 20	47,811 20	11,488 57	47,811 20	6,580 00	6,580 00
Willard State Hospital	585 00	585 00	585 00	585 00	.....	.....
Total	$1,515,174 94	$381,240 51	$518,869 83	$592,523 56	$922,651 38	$1,133,934 43

CHARITIES

Western House of Refuge	$2,040 00	.....	.....	.....	$2,040 00	$2,040 00
State School for the Blind	19,776 00	$2,543 00	$844 70	$2,543 00	17,233 00	17,233 00
State Soldiers and Sailors' Home	31,845 25	10,238 00	19,830 33	4,324 00	27,521 25	21,607 25
State Reformatory for Women	422,250 67	279,967 67	305,946 96	409,085 01	13,165 66	142,283 00
State Training School for Girls	310,160 19	160,733 72	79,702 02	210,262 81	99,897 38	149,426 47
State Agricultural and Industrial School	8,885 00	.....	1,666 00	.....	8,885 00	8,885 00
Letchworth Village	358,702 47	123,436 18	103,819 82	123,156 18	235,546 29	235,266 29
Newark Custodial Asylum	135,522 77	28,430 93	41,657 63	28,430 93	107,091 84	107,091 84
Women's Relief Corps Home	5,562 60	1,382 00	2,036 67	1,382 00	4,180 60	4,180 60
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Total	$1,743,175 64	$645,733 72	$687,630 10	$869,145 39	$874,030 25	$1,097,441 92

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Great Meadow Prison	$752,446 68	$472,884 52	$217,537 46	$752,446 68	.....	$279,562 16
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Total	$813,348 44	$472,884 52	$253,100 11	$798,639 44	$14,709 00	$340,463 92

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Troop B Armory, Albany	$138,956 06	$849 00	$78,441 71	$137,607 06	$1,349 00	$138,107 06
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Total	$274,769 26	$884 00	$112,228 98	$137,607 06	$137,162 20	$273,885 26

NORMAL SCHOOLS

Albany Normal College	$1,111 50	$1,111 50	$1,111 50	.....	$1,111 50	.....
Buffalo Normal School	436,406 46	418,649 76	77,722 62	$418,012 19	18,394 27	$17,756 70
Brockport Normal School	7,467 50	7,467 50	6,617 50	7,467 50	.....	.....
Fredonia Normal School	7,865 00	7,865 00	7,865 00	7,865 00	.....	.....
Oswego Normal School	*993 20	993 20	993 20	993 20	.....	.....
Potsdam Normal School	2,663 54	2,663 54	2,663 54	2,663 54	.....	.....
Total	$456,507 20	$438,750 50	$96,973 36	$437,001 43	$19,505 77	$17,756 70

EDUCATIONAL

Cornell University	$636,607 97	$255,624 71	$228,636 44	$460,705 17	$175,902 80	$380,983 26
Schoharie School of Agriculture	52,119 11	.....	31,073 33	51,839 11	280 00	52,119 11
Delhi School of Agriculture	34,525 04	.....	13,379 85	.....	34,525 04	34,525 04
Farmingdale School of Agriculture	308,878 91	23,726 00	225,609 74	269,493 50	39,385 41	285,152 91
Malone Institute for Deaf Mutes	2,200 00	2,200 00	2,200 00	2,200 00	.....	.....
Morrisville School of Agriculture	20,893 24	20,893 24	4,241 84	20,893 24	.....	.....
St. Lawrence University	670 00	670 00	393 75	670 00	.....	.....
Syracuse College of Forestry	236,246 40	.....	72,099 97	234,310 00	1,936 40	236,246 40
Onondaga Indian Reservation	11,925 00	.....	.....	.....	11,925 00	11,925 00
Total	$1,304,065 67	$303,113 95	$577,634 92	$1,040,111 02	$263,954 65	$1,000,951 72

* Deficiency balance.

PUBLIC BUILDINGS

	Contracts in force October 1, 1914, to September 30, 1915	Contracts completed October 1, 1914, to September 30, 1915	Certificates issued on contracts October 1, 1914, to September 30, 1915	Contracts in force October 1, 1914	Contracts awarded October 1, 1914, to September 30, 1915	Contracts in force October 1, 1915
Capitol	$534,823 72	$457,479 61	*$304,177 64	$509,683 19	$25,140 53	$77,344 11
Assembly Chamber	39,745 81	35,345 81	30,537 81	20,475 94	19,269 87	4,400 00
Education Building	257,058 98	80,823 05	88,800 04	233,771 97	23,287 01	176,235 93
State House	192,232 00	.....	.....	.....	192,232 00	192,232 00
Executive Mansion	5,605 00	.....	4,516 15	.....	5,605 00	5,605 00
Telephone Building	9,398 04	6,348 04	6,348 04	.....	9,398 04	3,050 00
Old Power House	8,249 00	804 00	804 00	.....	8,249 00	7,445 00
New Power House	518 00	.....	.....	518 00	.....	518 00
Total	$1,047,630 55	$580,800 51	$435,183 68	$764,449 10	$283,181 45	$466,830 04

REGULATIVE

Buffalo Malignant Disease Hospital	$9,573 99	$845 00	$198 57	$9,573 99	.....	$8,728 99
Quarantine Station	21,516 80	13,877 80	7,337 05	13,877 80	$7,639 00	7,639 00
Total	$31,090 79	$14,722 80	$7,535 62	$23,451 79	$7,639 00	$16,367 99

GENERAL

Baker Avenue House	$2,998 00	.....	$996 20	.....	$2,998 00	$2,998 00
Governor Clinton House	1,804 50	$55 00	713 75	.....	1,804 50	1,749 50
Crown Point Reservation	5,838 12	4,439 00	2,437 25	$4,439 00	1,399 12	1,399 12
Lake George Battle Ground	1,198 50	1,198 50	1,198 50	1,198 50	.....	.....
Letchworth Park	3,695 00	3,280 00	560 00	3,280 00	415 00	415 00
General Herkimer Home	6,851 38	4,150 38	6,325 47	4,150 38	2,701 00	2,701 00
Schuyler Mansion	15,225 03	2,764 27	12,991 26	2,764 27	12,460 76	12,460 76
Washington's Headquarters	1,950 00	1,950 00	980 02	1,950 00	.....	.....
Warren County Fish Hatchery	5,690 22	.....	.....	.....	5,690 22	5,690 22
Niagara Reservation	9,917 00	9,917 00	9,917 00	.....	9,917 00	.....
Sir William Johnson Mansion	1,197 00	1,197 00	1,197 00	.....	1,197 00	.....
Total	$56,364 75	$28,951 15	$37,316 45	$17,782 15	$38,582 60	$27,413 60

* Unclaimed balance, $1,090.

DETAIL WORK, DRAFTING DEPARTMENT, DURING THE FISCAL YEAR OCTOBER 1, 1914, TO SEPTEMBER 30, 1915

HOSPITALS

Binghamton State Hospital

	Sketches	Working drawings	Details
Chronic building	.....	12	22
Addition to boiler plant, etc	.....	2	.....
Bracing walls	.....	1	.....
Repairs, etc., trestle	.....	1	.....
Total	.....	16	22

Central Islip Sta e Hospital

Alterations, cold storage building	2	6	.....
Extension, laundry	12	3	.....
Total	14	9	.....

Gowanda State Hospital

Mortuary, etc	2	.....	.....

Kings Park State Hospital

Employe's home	8	.....	.....
Additional accommodations, chronic patients	.....	8	5
Total	8	8	5

Long Island State Hospital

Reception and chronic buildings	10	.....	.....
Rebuilding wall. main building	.....	2	.....
Maps	.....	2	.....
Power house	.....	7	.....
Total	10	11	.....

Middletown State Hospital

Alterations, etc., power house	.....	2	.....

Mohansic State Hospital

Chronic group	4	.....	.....
Reception hospital	14	.....	.....
Storeroom	19	.....	.....
Bakery	3	.....	.....
Laundry	4	.....	.....
Nurses' home	11	.....	.....
Administration building	4	.....	.....
Block plan	.....	1	.....
Chronic group	.....	27	.....
Total	59	28	.....

PUBLIC BUILDINGS

	Contracts in force October 1, 1914, to September 30, 1915	Contracts completed October 1, 1914, to September 30, 1915	Certificates issued on contracts October 1, 1914, to September 30, 1915	Contracts in force October 1, 1914	Contracts awarded October 1, 1914, to September 30, 1915	Contracts in force October 1, 1915
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Assembly Chamber	39,745 81	35,345 81	30,537 81	20,475 94	19,269 87	4,400 00
Education Building	257,058 98	80,823 05	88,800 04	233,771 97	23,287 01	176,235 93
State House	192,232 00	.....	.....	.....	192,232 00	192,232 00
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Telephone Building	9,398 04	6,348 04	6,348 04	.....	9,398 04	3,050 00
Old Power House	8,249 00	804 00	804 00	.....	8,249 00	7,445 00
New Power House	518 00	.....	.....	518 00	.....	518 00
Total	$1,047,630 55	$580,800 51	$435,183 68	$764,449 10	$283,181 45	$466,830 04

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Total	$31,090 79	$14,722 80	$7,535 62	$23,451 79	$7,639 00	$16,367 99

GENERAL

Baker Avenue House	$2,998 00	.....	$996 20	.....	$2,998 00	$2,998 00
Governor Clinton House	1,804 50	$55 00	713 75	.....	1,804 50	1,749 50
Crown Point Reservation	5,838 12	4,439 00	2,437 25	$4,439 00	1,399 12	1,399 12
Lake George Battle Ground	1,198 50	1,198 50	1,198 50	1,198 50	.....	.....
Letchworth Park	3,695 00	3,280 00	560 00	3,280 00	415 00	415 00
General Herkimer Home	6,851 38	4,150 38	6,325 47	4,150 38	2,701 00	2,701 00
Schuyler Mansion	15,225 03	2,764 27	12,991 26	2,764 27	12,460 76	12,460 76
Washington's Headquarters	1,950 00	1,950 00	980 02	1,950 00	.....	.....
Warren County Fish Hatchery	5,690 22	.....	.....	.....	5,690 22	5,690 22
Niagara Reservation	9,917 00	9,917 00	9,917 00	.....	9,917 00	.....
Sir William Johnson Mansion	1,197 00	1,197 00	1,197 00	.....	1,197 00	.....
Total	$56,364 75	$28,951 15	$37,316 45	$17,782 15	$38,582 60	$27,413 60

* Unclaimed balance, $1,090.

DETAIL WORK, DRAFTING DEPARTMENT, DURING THE FISCAL YEAR OCTOBER 1, 1914, TO SEPTEMBER 30, 1915

HOSPITALS

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	Sketches	Working drawings	Details
Chronic building	.....	12	22
Addition to boiler plant, etc	.....	2	.....
Bracing walls	.....	1	.....
Repairs, etc., trestle	.....	1	.....
Total	.....	16	22

Central Islip Sta e Hospital

Alterations, cold storage building	2	6	.....
Extension, laundry	12	3	.....
Total	14	9	.....

Gowanda State Hospital

Mortuary, etc	2	.....	.....

Kings Park State Hospital

Employe's home	8	.....	.....
Additional accommodations, chronic patients	.....	8	5
Total	8	8	5

Long Island State Hospital

Reception and chronic buildings	10	.....	.....
Rebuilding wall. main building	.....	2	.....
Maps	.....	2	.....
Power house	.....	7	.....
Total	10	11	.....

Middletown State Hospital

Alterations, etc., power house	.....	2	.....

Mohansic State Hospital

Chronic group	4	.....	.....
Reception hospital	14	.....	.....
Storeroom	19	.....	.....
Bakery	3	.....	.....
Laundry	4	.....	.....
Nurses' home	11	.....	.....
Administration building	4	.....	.....
Block plan	.....	1	.....
Chronic group	.....	27	.....
Total	59	28	.....

Manhattan State Hospital

	Sketches	Working drawings	Details
Alterations, etc., power house	4	11	.....
Acute hospital, 150 patients	.....	12	21
Acute hospital, 200 patients	.....	1	20
Nurses' home	.....	.....	3
Total	4	24	44

CHARITIES

State School for the Blind, Batavia

Gymnasium approach	.....	1	.....

State Soldiers' and Sailors' Home, Bath

Barn, vegetable cellar	8	3	.....
Farm house	3	.....	.....
Total	11	3	.....

State Reformatory for Women, Bedford

Cottages	2	2	7
Upper campus	1	.....	.....
Total	3	2	7

Elmira Reformatory

Shops 2, 3 and 4	7	5	.....

State Training School for Girls, Hudson

Hospital	.....	.....	30
Contagious hospital	.....	.....	4
Laundry	.....	3	1
Retaining wall	.....	2	.....
Total	.....	5	35

State Agricultural and Industrial School, Industry

Hospital alterations	.....	1	5
Dairy barn	.....	1	.....
Total	.....	2	5

Thomas Indian School, Iroquois

Dairy house, etc	6	5	.....

Letchworth Village, Thiells

	Sketches	Working drawings	Details
Laundry building	.....	7	.....
Power house	1	3	3
Service building	7	6	.....
Attendants' home	6	9	.....
Storehouse, etc	4	.....	.....
Industrial building	1	.....	.....
Total	19	25	3

Eastern New York Reformatory, Napanoch

Hospital	.....	12	.....

State Custodial Asylum, Newark

Hospital	.....	10	19
Cottages	.....	.....	18
Power house	.....	1	.....
Total	.....	11	37

Women's Relief Corps Home, Oxford

Elevator shaft, hospital	.....	1	.....

Rome Custodial Asylum

Dormitory	3	12	15

Craig Colony for Epileptics, Sonyea

Laundry	.....	3	.....
Miscellaneous	.....	1	.....
Total	.....	4	.....

State Hospital for Crippled and Deformed Children, West Haverstraw

Hospital	.....	.....	16
Solaria	.....	.....	2
Total	.....	.....	18

State Training School for Boys, Yorktown Heights

Cottage B	.....	9	11
Power house	.....	6	6
Total	.....	15	17

Northern New York Institution for Deaf Mutes, Malone

Kindergarten	4	.....	.....

Manhattan State Hospital

	Sketches	Working drawings	Details
Alterations, etc., power house	4	11	.....
Acute hospital, 150 patients	.....	12	21
Acute hospital, 200 patients	.....	1	20
Nurses' home	.....	.....	3
Total	4	24	44

CHARITIES

State School for the Blind, Batavia

Gymnasium approach	.....	1	.....

State Soldiers' and Sailors' Home, Bath

Barn, vegetable cellar	8	3	.....
Farm house	3	.....	.....
Total	11	3	.....

State Reformatory for Women, Bedford

Cottages	2	2	7
Upper campus	1	.....	.....
Total	3	2	7

Elmira Reformatory

Shops 2, 3 and 4	7	5	.....

State Training School for Girls, Hudson

Hospital	.....	.....	30
Contagious hospital	.....	.....	4
Laundry	.....	3	1
Retaining wall	.....	2	.....
Total	.....	5	35

State Agricultural and Industrial School, Industry

Hospital alterations	.....	1	5
Dairy barn	.....	1	.....
Total	.....	2	5

Thomas Indian School, Iroquois

Dairy house, etc	6	5	.....

Letchworth Village, Thiells

	Sketches	Working drawings	Details
Laundry building	.....	7	.....
Power house	1	3	3
Service building	7	6	.....
Attendants' home	6	9	.....
Storehouse, etc.	4	.....	.....
Industrial building	1	.....	.....
Total	19	25	3

Eastern New York Reformatory, Napanoch

Hospital	.....	12	.....

State Custodial Asylum, Newark

Hospital	.....	10	19
Cottages	.....	.....	18
Power house	.....	1	.....
Total	.....	11	37

Women's Relief Corps Home, Oxford

Elevator shaft, hospital	.....	1	.....

Rome Custodial Asylum

Dormitory	3	12	15

Craig Colony for Epileptics, Sonyea

Laundry	.....	3	.....
Miscellaneous	.....	1	.....
Total	.....	4	.....

State Hospital for Crippled and Deformed Children, West Haverstraw

Hospital	.....	.....	16
Solaria	.....	.....	2
Total	.....	.....	18

State Training School for Boys, Yorktown Heights

Cottage B	.....	9	11
Power house	.....	6	6
Total	.....	15	17

Northern New York Institution for Deaf Mutes, Malone

Kindergarten	4	.....	.....

Manhattan State Hospital

	Sketches	Working drawings	Details
Alterations, etc., power house	4	11	.....
Acute hospital, 150 patients	.....	12	21
Acute hospital, 200 patients	.....	1	20
Nurses' home	.....	.....	3
Total	4	24	44

CHARITIES

State School for the Blind, Batavia

Gymnasium approach	.....	1	.....

State Soldiers' and Sailors' Home, Bath

Barn, vegetable cellar	8	3	.....
Farm house	3	.....	.....
Total	11	3	.....

State Reformatory for Women, Bedford

Cottages	2	2	7
Upper campus	1	.....	.....
Total	3	2	7

Elmira Reformatory

Shops 2, 3 and 4	7	5	.....

State Training School for Girls, Hudson

Hospital	.....	.....	30
Contagious hospital	.....	.....	4
Laundry	.....	3	1
Retaining wall	.....	2	.....
Total	.....	5	35

State Agricultural and Industrial School, Industry

Hospital alterations	.....	1	5
Dairy barn	.....	1	.....
Total	.....	2	5

Thomas Indian School, Iroquois

Dairy house, etc	6	5	.....

Letchworth Village, Thiells

	Sketches	Working drawings	Details
Laundry building	.....	7	.....
Power house	1	3	3
Service building	7	6	.....
Attendants' home	6	9	.....
Storehouse, etc.	4	.....	.....
Industrial building	1	.....	.....
Total	19	25	3

Eastern New York Reformatory, Napanoch

Hospital	.....	12	.....

State Custodial Asylum, Newark

Hospital	.....	10	19
Cottages	.....	.....	18
Power house	.....	1	.....
Total	.....	11	37

Women's Relief Corps Home, Oxford

Elevator shaft, hospital	.....	1	.....

Rome Custodial Asylum

Dormitory	3	12	15

Craig Colony for Epileptics, Sonyea

Laundry	.....	3	.....
Miscellaneous	.....	1	.....
Total	.....	4	.....

State Hospital for Crippled and Deformed Children, West Haverstraw

Hospital	.....	.....	16
Solaria	.....	.....	2
Total	.....	.....	18

State Training School for Boys, Yorktown Heights

Cottage B	.....	9	11
Power house	.....	6	6
Total	.....	15	17

Northern New York Institution for Deaf Mutes, Malone

Kindergarten	4	.....	.....

PRISONS

Clinton Prison

	Sketches	Working drawings	Details
Tuberculosis hospital	12	5	12

Dannemora State Hospital

Northwest wing	4	1	.....
Southwest wing	.....	.....	2
Total	4	1	2

Great Meadow Prison

School	2	6	.....

ARMORIES

Troop "B", Albany

Armory	.....	.....	24
Improvement to site	.....	1	.....
Total	.....	1	24

Troop "I," Buffalo	.....	25	29
Company "G," 10th Infantry, Yonkers	18	13	.....
Troop "H," Rochester	15	.....	.....
Total	33	38	29

NORMAL SCHOOLS

Brockport Normal	.....	1	.....
Buffalo Normal	.....	1	.....
Potsdam Normal	9	.....	.....
Total	9	2	.....

EDUCATIONAL

Cornell University

Greenhouses	1	1	1
Drill hall	.....	4	25
Barns	.....	5	.....
Agricultural building	.....	.....	7
Total	1	10	33

Delhi School of Agriculture

Cow barn	6	.....	.....
Dairy building	.....	13	12
Total	6	13	12

Morrisville School of Agriculture

Reservoir	.....	1	.....

St. Lawrence University, Canton

	Sketches	Working drawings	Details
Shop	.....	4	.....

Syracuse University

Forestry college	.....	.....	42

Onondaga Indian Reservation

Onondaga Indian Reservation	.....	4	.....

State School of Agriculture, Farmingdale

Garage	1	1	.....
Dormitory	.....	.....	16
Power house	.....	.....	9
Director's residence	.....	.....	8
Horticulture and agronomy buildings	.....	.....	9
Roads, walks, block plan	.....	2	.....
Sewage plant	.....	.....	1
Total	1	3	43

PUBLIC BUILDINGS

Capitol	9	42	28
Education building	.....	2	9
Agricultural hall	.....	1	.....
State house	3	32	3
Telephone building	14	8	.....
Executive mansion	.....	2	.....
Total	26	87	40

REGULATIVE

Quarantine Station, Rosebank

Animal building	.....	4	4
Closets	.....	1	.....
Total	.....	5	4

GENERAL

Baker Avenue house	.....	6	.....
Sir William Johnson mansion	.....	2	.....
General Herkimer home	.....	1	.....
Governor Clinton house	.....	10	3
Schuyler mansion	2	1	9
Dexter game farm	.....	5	.....
Niagara reservation	.....	4	3
Saratoga reservation	3	2	5
Department of Public Works, canal office	1	.....	.....
Warren county fish hatchery	.....	2	2
Watkins Glen reservation	1	.....	.....
Total	7	33	22

DETAIL WORK, ENGINEERING DEPARTMENT, DURING THE FISCAL YEAR OCTOBER 1, 1914, TO SEPTEMBER 30, 1915

HOSPITALS

Binghamton State Hospital

	Sketches	Working drawings construction	Details	Working drawings engineering
Chronic building	.....	12	22	13
Addition to power house	.....	2	.....	.....
Amusement hall-bracing wall	.....	1	.....	.....
Additional power house equipment	.....	.....	.....	2
Total	.....	14	22	15

Central Islip State Hospital

Addition to cold storage building, ice making plant, etc.	2	6	.....	6
Addition to laundry	12	3	.....	2
Renewal of underground steam mains	.....	.....	.....	1
Total	14	9	.....	9

Hudson River State Hospital

Laundry equipment	.....	.....	.....	1

Kings Park State Hospital

Additional accommodations for chronic patients	3	6	5	10
Attendants' home	3	.....	.....	.....
Four cottages	.....	2	.....	.....
New wells	.....	.....	.....	1
Total	6	8	5	11

Long Island State Hospital

Additional accommodations	5	.....	.....	.....
Reception building	5	.....	.....	.....
Maps	.....	2	.....	.....
Main building, reconstruction of wall	.....	2	.....	.....
Power house	.....	.....	7	1
Total	10	4	7	1

Middletown State Hospital

Power house equipment	.....	1	.....	9
Nurses' home, changes in opening	.....	1	.....	.....
Total	.....	2	.....	9

Mohansic State Hospital

	Sketches	Working drawings construction	Details	Working drawings engineering
Reception building	11	.....	.....	.....
Ward building and kitchen, chronic group	4	.....	.....	.....
Store house	4	.....	.....	.....
Bakery	3	.....	.....	.....
Laundry	4	.....	.....	.....
Block plan — proposed layout	.....	1	.....	.....
Sewerage — sewage disposal	.....	.....	.....	8
Total	26	1	.....	8

Manhattan State Hospital

Addition to power house	4	11	.....	6
150 patients' building	.....	12	19	10
200 patients' building	.....	1	22	1
Nurses' home	.....	.....	3	.....
Total	4	24	44	17

CHARITIES

Western House of Refuge, Albion

Alterations to sewer	.....	.....	.....	1

State School for the Blind, Batavia

New approach to gymnasium	.....	1	.....	.....
Alterations to hospital building	.....	.....	1	4
Total	.....	1	1	4

Soldiers' and Sailors' Home, Bath

Horse barn	6	2	.....	.....
Addition to vegetable cellar	2	1	.....	.....
Farm house	3	.....	.....	.....
Total	11	3	.....	.....

State Reformatory for Women, Bedford

Cottages 13, 14, 15 and 16	2	2	2	.....
Boiler house	.....	.....	2	1
Hospital	.....	.....	1	.....
Sewerage and sewage plant	.....	.....	1	2
Cottages 9, 10 and 11	.....	.....	1	.....
New well	.....	.....	.....	1
Purification plant	.....	.....	.....	4
Total	2	2	7	8

Elmira Reformatory

	Sketches	Working drawings construction	Details	Working drawings engineering
Trade school buildings	7	.....	.....	.....
Shop number 4	.....	5	.....	.....
Total	7	5	.....	.....

State Training School for Girls, Hudson

Disciplinary building	1	.....	.....	.....
Caretaker's house	1	.....	.....	.....
Repainting wall	.....	2	.....	.....
Laundry building	.....	2	1	2
Block plan	.....	1	.....	.....
Hospital building	.....	.....	30	5
Contagious hospital building	.....	.....	4	.....
Cold storage building	.....	.....	.....	1
Total	2	5	35	8

State Agricultural and Industrial School, Industry

Alteration and additions to hospital	.....	1	5	2

Thomas Indian School, Iroquois

Dairy house and cold storage	6	2	.....	2
Addition to dairy barn	.....	2	.....	.....
Reconstruction of corridors	.....	1	.....	.....
Total	6	5	.....	2

Letchworth Village, Thiells

Power house	1	3	3	9
Service building	7	6	.....	8
Store house, cold storage and bakery	4	.....	.....	.....
Attendants' home	6	9	.....	9
Industrial building	1	.....	.....	.....
Laundry building	.....	7	.....	9
Cottages, A, B, C and D	.....	.....	1	.....
Electric conduits	.....	.....	.....	1
Underground piping for heating cottages	.....	.....	.....	3
Total	19	25	4	39

Eastern New York Reformatory Napanoch

Hospital building	.....	12	.....	10
Cell block	.....	.....	.....	5
Surface drainage and sewers	.....	.....	.....	1
Total	.....	12	.....	16

Newark Custodial Asylum for Feeble-Minded Women

	Sketches	Working drawings construction	Details	Working drawings engineering
Power house — new boilers, etc.	1	.....	.....	.....
Hospital building	.....	10	19	7
92 patient building	.....	.....	18	.....
Total	1	10	37	7

Women's Relief Corps Home, Oxford

Addition to hospital for elevator shaft	.....	1	1	.....
Water supply	.....	.....	.....	1
Total	.....	1	1	1

Rome State Custodial Asylum

Dormitory building	3	12	15	13

Craig Colony for Epileptics, Sonyea

Alteration to laundry and equipment	.....	3	.....	2
Reinforcement of raw water reservoir	.....	1	.....	.....
Total	.....	4	.....	2

Institution for Feeble-Minded Children, Syracuse

New boilers and stokers	.....	.....	.....	1

State Hospital for Crippled and Deformed Children, West Haverstraw

Hospital	.....	.....	14	.....
Solaria	.....	.....	2	.....
Total	.....	.....	16	.....

State Training School for Boys, Yorktown Heights

Cottages for boys	.....	6	11	6
Power house	.....	9	6	1
Water supply system	.....	.....	.....	3
Sewerage and sewage disposal	.....	.....	.....	9
Total	.....	15	17	19

PRISONS

Clinton Prison

	Sketches	Working drawings construction	Details	Working drawings engineering
Tuberculosis hospital	9	5	12	5
Medical quarters	1	.....	.....	.....
Main building	1	.....	.....	.....
Detached building	1	.....	.....	.....
Total	12	5	12	5

Dannemora Prison

Ward building	3	.....	.....	.....
Hospital — revising basement and stair hall	1	.....	.....	.....
Grading for north west wing	.....	1	.....	.....
South west wing	.....	.....	2	3
Total	4	1	2	3

Great Meadow Prison

Comstock school	2	.....	.....	.....

Sing Sing Prison

Cart and wagon shop	.....	.....	.....	2
Blacksmith shop	.....	.....	.....	2
Total	.....	.....	.....	4

NORMAL SCHOOLS

Brockport Normal School

Alterations to old building	.....	1	.....	.....

Buffalo Normal School

Alterations to principal's residence	.....	1	.....	.....
Heating work	.....	.....	.....	4
Total	.....	1	.....	4

Potsdam Normal School

New building	9	.....	.....	.....

ARMORIES

Albany — new lights	.....	.....	1	.....
Albany — troop B	.....	1	24	2
Buffalo — troop I	.....	25	29	6
Yonkers armory	18	13	.....	.....
Rochester — troop H	15	.....	.....	.....
Total	33	39	54	8

EDUCATIONAL

Cornell University

	Sketches	Working drawings construction	Details	Working drawings engineering
Greenhouses	1	1	1	2
Drill hall	.....	4	25	.....
Feed house	.....	1	1	.....
Sheep barn	.....	4	1	.....
Piggery	.....	.....	1	.....
Animal husbandry	.....	.....	1	3
Exhibition building, fattening house	.....	.....	1	.....
Tool barn	.....	.....	2	.....
Central heating plant	.....	.....	.....	2
Underground steam mains	.....	.....	.....	14
Total	1	10	33	21

St. Lawrence University

Alterations and additions to shop building	.....	4	.....	3

Syracuse University

Forestry building	.....	.....	28	2

School of Agriculture and Domestic Science, Delhi

Dairy barn	6	.....	.....	.....
Dairy building	.....	13	12	5
Total	6	13	12	5

State School of Agriculture, Farmingdale

Dairy barn	2	.....	.....	.....
Athletic field	1	.....	.....	.....
Sidewalks	1	1	.....	.....
Garage for superintendent	1	1	.....	.....
Block plan	.....	1	.....	.....
Director's residence	.....	.....	8	.....
Horticulture and agronomy buildings	.....	.....	9	.....
Power house	.....	.....	9	.....
Dormitory number 1	.....	.....	16	.....
Sewage plant	.....	.....	1	.....
Total	5	3	43	.....

State School of Agriculture, Morrisville

Roof for reservoir	.....	1	.....	.....

Northern New York Institution for Deaf Mutes, Malone

Kindergarten	4	.....	.....	.....

PUBLIC BUILDINGS

State Capitol

	Sketches	Working drawings construction	Details	Working drawings engineering
Department of health offices	1	2	7	.....
Governor's office	2	2	.....	.....
Legislative library	2	.....	3	.....
U. S. postoffice, first floor	1	.....	.....	.....
Tax commission, new furniture, etc	.....	17	.....	.....
Floor design for fourth floor	.....	1	.....	.....
Department of architecture, filing cases	.....	2	.....	.....
Room 426, alterations	.....	1	.....	1
Rooms 332, 337 and 342	.....	3	5	.....
Insurance department, shelving	.....	2	.....	.....
Room 328, alterations and painting	.....	1	1	.....
Department of labor, furniture, etc	.....	2	.....	.....
Assembly library, bookcases	.....	1	.....	.....
Secretary of State's office, alterations, etc	.....	1	.....	.....
New marble thresholds, third floor	.....	1	.....	.....
Room 122, new partition	.....	1	.....	.....
Conservation commission, supply case	.....	1	.....	.....
Treasurer's office, alterations, etc	.....	1	.....	.....
Banking department, metal equipment	.....	2	.....	.....
Department of public works	.....	1	.....	2
Assembly rooms, alterations, etc	.....	.....	4	.....
Western staircase, covers for floor boxes	.....	.....	.....	1
Electric wiring, east wing	.....	.....	.....	7
Room 428, sanitary work	.....	.....	.....	1
Miscellaneous work	.....	9	.....	.....
Total	6	42	28	12

Education Building

Park development	.....	1	.....	1
Changes in eaves mold	.....	1	.....	.....
Indian cases	.....	.....	9	.....
Total	.....	2	9	1

Agricultural Hall

Alterations, first and second floors	.....	1	.....	.....

State House

Reconstruction for Court of Appeals	5	31	4	8
Partitions in Comptroller's office	.....	1	.....	.....
Total	5	32	4	8

Telephone Building

	Sketches	Working drawings construction	Details	Working drawings engineering
Comptroller's office	9	4	.....	.....
Banking department	1	1	.....	.....
Conservation commission	1	2	.....	.....
State Engineer's office	1	1	.....	.....
Probation commission	1	.....	.....	.....
Adjutant General's office	1	.....	.....	.....
Total	14	8	.....	.....

GENERAL

Onondaga Reservation

Cottage and school building	.....	4	.....	3

Sir William Johnson Mansion

Caretaker's cottage	.....	2	.....	2
Mansion	.....	.....	.....	2
Total	.....	2	.....	4

Niagara Reservation

Barn	.....	3	3	.....
Police station	.....	1	.....	.....
Total	.....	4	3	.....

Saratoga Reservation

Freight house	3	.....	.....	.....
Bottling plant	.....	1	4	.....
Comfort station	.....	1	1	.....
Total	3	2	5	.....

Schuyler Mansion

Caretaker's cottage	.....	.....	10	.....
Mansion	2	1	.....	6
Total	2	1	10	6

General Herkimer Home

Repairs	.....	1	.....	.....

Governor Clinton House

	Sketches	Working drawings construction	Details	Working drawings engineering
Repairs	.....	10	3	.....

Baker Avenue House

Repairs	.....	6	.....	.....

MISCELLANEOUS

Dexter Game Farm

Barn	.....	2	.....	.....
Superintendent's residence	.....	3	.....	2
Total	.....	5	.....	2

Rosebank and Hoffman's Island

Animal building	.....	4	4	4
Dry closet layout	.....	1	.....	.....
Total	.....	5	4	4

Saratoga Monument

Concrete walk	.....	1	.....	.....
Barge canal work	1	.....	.....	.....
Warren county fish hatchery	.....	2	2	1
Watkins Glen — comfort station	1	.....	.....	.....
Grand totals	214	369	467	292

Total number of construction specifications prepared, 94.

STATEMENT OF PLANS AND SPECIFICATIONS PREPARED BY THE ENGINEERING DEPARTMENT DURING THE FISCAL YEAR, OCTOBER 1, 1914 TO SEPTEMBER 30, 1915

PLACED UNDER CONTRACT

Heating

	Work	Specification No.	Job No.	Contract
Ward's Island	Heating, additional accommodations for 150 male patients	2118	168	$11,425 00
Ward's Island	Heating, power plant heating system and equipment	2268	245	119,497 00
Binghamton	Heating, building for chronic patients	2114	151	19,737 00
Binghamton	New boiler	2064	80	19,500 00
Gowanda	Underground steam connections, etc. for existing building	2188	94	3,297 59
Kings Park	Heating, additional accommodations, chronic patients	2134	150	5,531 00
Middletown	Heating, power house equipment	2261	212	84,378 00
Central Islip	Heating, renewal underground steam mains	2328	291	8,690 00
Batavia	Heating apparatus, steam piping, etc. for alterations and addition to hospital	2293	173	1,296 00
Newark	Heating new hospital	2121	164	4,391 00
Newark	Heating cottage for 92 inmates	2076	165	6,637 00
Yorktown Heights	Heating seven cottages	2192	143	12,947 00
Letchworth Village	Central heating plant equipment	2168	138	45,015 00
Letchworth Village	Underground piping	2186	138	18,626 00
Letchworth Village	Heating, laundry building	2298	139	4,482 00
Letchworth Village	Heating, service building	2284	219	7,482 00
Letchworth Village	Heating attendants' home	2280	221	6,134 00
Industry	Heating, alterations and additions to hospital	2196	180	1,017 00
Rome	Heating, dormitory building	2057	188	19,197 00
Hudson	Heating, laundry building	2209	154	1,456 37
Syracuse Institution	Improvements to heating system, new boiler, etc	2291	270	6,000 00
Sir Wm. Johnson Mans.	Heating, mansion	2125	183	1,197 00
Cornell	Heating, greenhouses	2151	161	4,770 00
Quarantine	Heating, new animal building, Port of New York	2148	191	558 00
Buffalo Normal	Heating, Buffalo normal school	2206	56	7,920 84
Capitol	Heating 517, fifth floor	2207	....	516 20
Delhi	Heating dairy building	2178	179	7,967 00
Farmingdale	Pumping equipment	2224	....	400 00
Onondaga Reservation	Heating teachers' cottage and school building	2253	187	1,087 00
Troop I	Heating, Troop I	2060	58	5,712 00
Warrensburgh Fish Hatchery	Heating, fish hatcheries	2264	244	528 00
State House	Heating, alterations and additions for Court of Appeals	2288	207	13,911 00
Cornell	Underground steam piping conduits, pumps, etc. in connection with central heating plant items 2, 3, 4, 6 and 7	2108	108	10,321 00

	Work	Specification No.	Job No.	Contract
Cornell	Underground steam piping conduits, pumps, etc. in connection with central heating plant items 2, 4 and 7	2108	108	$31,639 00
Total				$493,263 00

Sanitary

Ward's Island	Plumbing and drainage additional accommodations 150 male patients	2119	168	$11,980 00
Ward's Island	Plumbing and drainage, new power plant	2269	245	2,793 00
Binghamton	Plumbing and drainage, building, chronic patients	2115	151	13,155 00
Kings Park	Plumbing and drainage, additional accommodations, chronic patients	2135	150	8,242 00
Kings Park	New wells	2302	278	3,995 00
Middletown	Plumbing and drainage, powerhouse	2262	212	2,087 00
Buffalo Hospital	Renewal of sewers	2302	265	6,295 00
Newark	Plumbing and drainage, new hospital	2122	165	4,590 00
West Haverstraw	Plumbing and drainage, hospital	2082	141	2,799 00
Bedford	New large open well	2171	68	5,845 00
Yorktown	Water supply system	2107	144	28,059 10
Yorktown	Plumbing, 7 cottages	2193	143	11,978 00
Letchworth Village	Plumbing and drainage, powerhouse	2169	138	1,485 00
Letchworth Village	Plumbing and drainage, laundry building	2299	139	2,415 00
Letchworth Village	Plumbing and drainage, service building	2285	219	7,433 00
Letchworth Village	Plumbing and drainage, attendants' home	2281	221	5,500 00
Albion	Alteration in sewers to connect with village sewerage	2198	237	2,040 00
Rome	Plumbing and drainage, dormitory building	2058	188	10,354 51
Industry	Plumbing and drainage, alterations and additions to hospital	2176	180	1,120 00
Capitol	Lavatory, assembly clerk room	Memo.	46	115 00
Cornell	Plumbing, greenhouses	2152	161	290 90
Rosebank	Plumbing, drainage and gas piping, new animal building	2149	191	570 00
Delhi	Plumbing and drainage, dairy building	2179	179	3,325 00
Warrensburgh Fish Hatchery	Plumbing and drainage, fish hatchery	2265	244	773 00
Troop I Armory	Plumbing and drainage	2061	58	9,240 00
State House	Plumbing and drainage, alterations and additions for Court of Appeals	2289	207	6,568 00

	Work	Specification No.	Job No.	Contract
Sing Sing	Plumbing and drainage, new power house	2306	126	$2,259 00
Capitol P. H. Park	Grading sewers, etc	2335	307	7,445 00
Total		.....	....	$162,751 51

Electric

Ward's Island	Additional accommodation, 150 male patients	2120	168	$5,043 00
Ward's Island	Electric work, power house heating system and equipment	2270	245	2,250 00
Binghamton	Electric work, building for chronic patients	2116	151	6,802 00
Binghamton	Chronic building	Add.	151	6,802 00
Kings Park	Electric work, additional accommodation chronic patients	2136	150	1,179 00
Poughkeepsie	Motor for laundry	2144	....	1,971 40
Middletown	Electric work, power house	2263	212	3,972 00
Bedford	Underground feeders, etc	2103	73	2,771 00
Newark	Electric work, new hospital	2123	164	985 00
Letchworth Village	Laundry equipment	2139	139	3,278 00
Letchworth Village	Electric work, power house	2170	138	254 00
Letchworth Village	Electric service connection for cottages A, B, C and D	2287	137	5,625 00
Letchworth Village	Electric work, new service building.	2286	219	517 00
Letchworth Village	Electric work, attendants' home	2282	221	669 00
Letchworth Village	Laundry building electric work and equipment	2300	139	3,278 00
Industry	Electric work, alterations and additions to hospital	2177	180	255 00
Yorktown	Electric work, 7 cottages	2195	143	2,099 00
Rome	Electric work, dormitory building	2059	188	3,663 00
Hudson	Laundry equipment	2144	154	2,700 00
Oxford	Electric elevator, hospital building.	2236	210	1,980 00
Sonyea	Laundry equipment	2234	218	6,991 00
Thomas Indian School	Electric work, ice house, dairy room and cold storage	2245	202	283 00
Oxford	Engine and dynamo	2251	242	1,416 00
Delhi	Electric work, dairy building	2180	179	740 00
Education building	Electric wiring for book stacks and reflectors	2143	....	10,840 00
Rosebank	Electric work, animal building	2150	191	320 00
Cornell	Electric work in greenhouse	2153	161	294 00
Capitol	Electric work, rooms 100-9 inc., superintendent of public works	2322	300	1,382 15
Capitol	Electric wiring, west wing	2276	32	696 00
Troop I Armory	Electric work, Troop I Armory	2062	....	2,850 00
State House	Electric work, alterations and additions, Court of Appeals	2290	207	9,753 00
State House	Electric elevator, Court of Appeals.	2292	207	6,446 00
Total		.....	....	$98,104 55

BIDS RECEIVED — NO AWARD

Heating

	Work	Specification No.	Job No.	Bids
Central Islip	Refrigeration equipment	2238	175	$23,000 00
Central Islip	Heating, extension to laundry and equipment	2247	177	1,480 00
Ward's Island	Coal and ash conveying equipment	2311	245	18,900 00
Buffalo Hospital	Additional boiler capacity	2312	266	13,397 00
Thomas Indian School	Heating for ice-house, dairy room and cold storage	2243	202	1,245 00
Total				$58,022 00

Sanitary

Central Islip	Artesian wells for water supply, north colony power plant and south colony power plant	2324	291	$4,800 00
Hudson	Plumbing and drainage, laundry building	2210	154	955 00
Yorktown	Sewerage disposal	2225	145	73,900 00
Yorktown	Water supply, addenda	2107	144	13,500 00
Iroquois	Plumbing and drainage, ice-house, dairy room and cold storage	2244	202	1,290 00
Onondaga	Teachers' cottage and school building	1981	187	1,396 00
Total				$95,841 00

Electric

Ward's Island	Electric elevator, additional accommodations, male	2161	168	$2,800 00
Central Islip	Electric work, refrigrator and ice making plant	2240	175	1,680 00
Central Islip	Electric work and equipment, extension to laundry	2249	177	1,526 00
Total				$5,006 00

ESTIMATE — NO BIDS RECEIVED

Heating

	Work	Specification No.	Job No.	Estimate
Oxford	Air compressor	2301	286	$3,500 00
St. Lawrence University		2330	310	1,500 00
Sing Sing	Heating, cart and wagon shop	2092	....	.....
Sing Sing	Heating, blacksmith shop	2112	169	10,000 00
Capitol	Radiator, assembly speaker	Memo.	46	50 00
Capitol	Heating, alterations to executive chamber	2345	295	800 00
Dexter	Heating superintendent cottage	2157	178	300 00

	Work	Specification No.	Job No.	Estimate
Capitol	Heating room No. 152	2215	....	$100 00
Ward's Island	Central heating plant	.....	....	75,000 00
Binghamton	.....	2321	272	20,000 00
Dannemora	Heat, south west wing, ward building	2140	193	6,800 00
Total	.....	.....	....	$118,050 00

Sanitary

Central Islip	Plumbing and drainage, refrigerator and ice making plant	2239	175	$1,200 00
Central Islip	Plumbing and drainage extension to laundry	2248	177	1,200 00
Mohansic	Sewerage and sewage disposal plant	2336	255	75,000 00
Napanoch	Plumbing in cell blocks	2154	192	18,000 00
Napanoch	Service drainage and sewers	None	279	7,000 00
Dexter	Plumbing, superintendent's cottage	2158	178	400 00
State House	New flush tanks for women's toilet	2195	....	60 00
Dannemora	Plumbing, southwest ward building	2141	193	3,800 00
Capitol	Plumbing, room 428, superintendent weights and measures	2297	287	700 00
Capitol	Plumbing and drainage, new elevator and other alterations, executive chamber	2350	295	1,500 00
Total	.....	.....	....	$108,860 00

Electric

Dannemora	Electric work, southwest wing ward building	2142	193	$2,000 00
Dexter	Electric work, superintendent cottage	2159	178	500 00
Albany, 10th Regiment Arm.	New lights, drill hall	2175	....	600 00
Capitol	Bronze fronts for switches	2189	....	2,400 00
Capitol	Electric work, room 426	2184	....	350 00
Capitol	Electric fixtures, east wing	2233	195	38,000 00
Capitol	Electric elevator, east end	2304	295	30,000 00
Capitol	New elevator, alterations in executive chamber	2349	295	1,500 00
Capitol	New elevator, alterations in executive chamber	2327	295	3,000 00
State Arsenal	Wiring storeroom	2242	238	100 00
Troop I Armory	Gasoline engine driven, electric generating set	2256	58	6,800 00
Troop B	Electric fixtures	2343	3	700 00
St. Lawrence University	Electric work, alterations, additions to shop building	2332	310	150 00
Total	.....	.....	....	$86,100 00

GENERAL SUMMARY

Heating

	Number of plans and specifications	Amount
Placed under contract	34	$493,263 00
Bids received, no awards	5	58,022 00
Estimate, no bids received	10	118,050 00
Total	49	$669,335 00

Sanitary

Placed under contract	28	$162,751 51
Bids received, no awards	6	95,841 00
Estimate, no bids received	10	108,860 00
Total	44	$367,452 51

Electric

Placed under contract	32	$98,104 55
Bids received, no awards	3	6,006 00
Estimate, no bids received	13	86,100 00
Total	48	$190,210 55
Total	141	$1,226,998 06

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STATE OF NEW YORK

ANNUAL REPORT

OF THE

Department of Architecture

For the Fiscal Year Ending June 30, 1916

TRANSMITTED TO THE LEGISLATURE FEBRUARY 26, 1917

ALBANY
J. B. LYON COMPANY, PRINTERS
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STATE OF NEW YORK

No. 34

IN SENATE

Annual Report of the Department of Architecture

STATE OF NEW YORK

DEPARTMENT OF ARCHITECTURE

ALBANY, *February* 23, 1917.

Honorable EDWARD SCHOENECK, *President of the Senate, Albany, N. Y.:*

SIR.—I have the honor to submit herewith for your consideration the Annual Report of the Department of Architecture, State of New York, for the fiscal year ending June 30, 1916.

Respectfully yours,

L. F. PILCHER,

State Architect.

STATE OF NEW YORK

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Annual Report of the Department of Architecture

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Department of Architecture, State of New York, Albany, N. Y.

To the Honorable, the Senate, State of New York:

GENTLEMEN.—The third annual report of the Department of Architecture is hereby submitted.

The change in the fiscal year, authorized by your honorable body and approved by the Executive, placed the Department of Architecture upon a nine months' operating basis, from October 1, 1915, to June 30, 1916, inclusive. The report of the Department, as compared with the preceding year of twelve months, shows a decrease in the volume of construction placed under contract and departmental supervision, due to two causes:

First. The operation of the nine months' period, as compared with the preceding fiscal year of twelve months.

Second. The prosecution of contract development only where deemed absolutely necessary and in the face of exceeding high cost of labor and all building material.

I have advised the holding in abeyance of all State and institutional development, except where new buildings and enlargements have been deemed absolutely necessary to meet increasing demands, especially among the insane hospitals, the charitable institutions and the prisons, because of this increased cost.

There has been a steady advance in building material since the European war and labor has advanced to new high levels. These conditions have had a marked effect upon proposals along all lines of building construction, and legislative appropriations, fully sufficient under normal conditions, have been entirely inadequate for construction along desired and contemplated lines.

State departments and institutions, in making requests for plans and specifications for new buildings, outlined their needs and the Department has prepared designs in conformity. The proposals received for the class or type of construction desired have, in nearly every instance during the year, exceeded the available appropriations by very material figures. The result has been that the plans and specifications have been revised and the institutional necessities diminished to the point where the

Certificates issued on contracts, Oct. 1, 1915, to June 30, 1916	$1,519,599 52	
Certificates issued prior to Oct. 1, 1915	1,867,906 42	
		3,387,505 94
Balance, certificates due		$1,838,128 09

The departmental maintenance cost for the period covering the work, in part as summarized above, was $137,439.72, including a pay roll charge of $116,361.90; office supplies and expenses, $8,652.47; traveling expenses incurred in supervision of contract work in various parts of the State, $8,521.11; contingent, $2,299.25, and New York office, maintenance, $1,605.51. The average monthly cost of operating the Department for the past nine months was $15,271.08, as against $15,798.17 per month for the preceding fiscal year. This shows that the cost of maintaining the Department for the fiscal year of nine months, plus three additional months, will be about $6,200 less than the preceding fiscal year of twelve months.

There was also disbursed for salaries and paid out of appropriations as follows: Chapter 728, Laws of 1915, capitol reconstruction, $293; chapter 728, Laws of 1915, Syracuse University, $1,766.66; a total of $2,059.66.

Balances in the different departmental appropriations for the fiscal year aggregated $47,279.32, as against $20,509.25 for the preceding twelve months.

The difference in the total face of contracts and orders administered under my supervision for the year ending June 30, 1916 — $5,456,538.68, as compared with $7,560,461.16 for the year ending September 30, 1915 — is accounted for by the legislative change in the fiscal year, making the past year one of nine months, and the general tendency to curtail building operations except where absolutely necessary because of the high cost of all building material, and the further fact that the report covers that part of the year during which time much preliminary work is under way and which does not appear in the form of the completed record drawings and specifications and contract development.

SUMMARY STATEMENT OF CONTRACTS IN FORCE OCTOBER 1, 1915 TO JUNE 30, 1916, INCLUSIVE, CONTRACTS COMPLETED, CERTIFICATES ISSUED ON CONTRACTS, CONTRACTS IN FORCE OCTOBER 1, 1915, WITH ADDITIONS AND DEDUCTIONS, CONTRACTS AWARDED WITHIN FISCAL YEAR AND CONTRACTS IN FORCE AT CLOSE OF FISCAL YEAR

	Contracts in force Oct. 1, 1915, to June 30, 1916	Contracts completed Oct. 1, 1915, to June 30, 1916	Certificates issued, Oct. 1, 1915, to June 30, 1916	Contracts in force, Oct. 1, 1915	Additions and deductions, Oct. 1, 1915, to June 30, 1916	Contracts awarded Oct. 1, 1915, to June 30, 1916	Contracts in force, June 30, 1916
Hospitals	*$1,655,282 14	$170,870 93	$458,027 87	*$1,133,934 43	—$8,251 06	$529,593 77	$1,480,033 21
Charities	1,201,363 02	281,060 09	430,759 06	1,007,441 92	+5,726 73	98,194 37	920,302 93
Prisons	346,973 37	26,642 00	8,885 50	340,463 92	—106 55	6,616 00	320,331 37
Armories	373,536 57	139,072 90	118,002 29	273,885 26	+4,411 52	95,239 79	234,463 67
Normal schools	18,516 69	18,516 69	12,318 07	17,756 70	—64 01	824 00	.....
Educational	1,061,154 00	249,852 71	337,955 03	1,000,951 72	+6,494 91	53,707 37	811,301 29
Public buildings	513,253 54	268,929 78	132,896 71	466,830 04	+700 80	45,722 70	244,323 76
Regulative	16,711 99	881 00	2,859 80	16,367 99	+344 00	.....	15,830 99
General	43,220 71	†31,009 69	†17,895 19	27,413 60	+1,825 90	13,981 21	12,211 02
	$5,230,012 03	$1,186,835 79	$1,519,599 52	$4,375,045 58	+$19,503 86	$843,884 21	$4,038,798 24
Less defaulted contract	4,378 00	.....	.....	4,378 00	—8,421 62	.....	.....
	$5,225,634 03	.....	.....	$4,370,667 58	+$11,082 24	.....	.....

* Includes Arthur Casey contract, $4,378; Middletown State Hospital, not signed.
† Includes $330.53 certificates to Garvey Drilling Co., Crown Point Reservation, not included in contract totals.

Certificates issued on contracts, Oct. 1, 1915, to June 30, 1916	$1,519,599 52	
Certificates issued prior to Oct. 1, 1915	1,867,906 42	
		3,387,505 94
Balance, certificates due		$1,838,128 09

The departmental maintenance cost for the period covering the work, in part as summarized above, was $137,439.72, including a pay roll charge of $116,361.90; office supplies and expenses, $8,652.47; traveling expenses incurred in supervision of contract work in various parts of the State, $8,521.11; contingent, $2,299.25, and New York office, maintenance, $1,605.51. The average monthly cost of operating the Department for the past nine months was $15,271.08, as against $15,798.17 per month for the preceding fiscal year. This shows that the cost of maintaining the Department for the fiscal year of nine months, plus three additional months, will be about $6,200 less than the preceding fiscal year of twelve months.

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	Contracts in force Oct. 1, 1915, to June 30, 1916	Contracts completed Oct. 1, 1915, to June 30, 1916	Certificates issued, Oct. 1, 1915, to June 30, 1916	Contracts in force, Oct. 1, 1915	Additions and deductions, Oct. 1, 1915, to June 30, 1916	Contracts awarded Oct. 1, 1915, to June 30, 1916	Contracts in force, June 30, 1916
Hospitals	*$1,655,282 14	$170,870 93	$458,027 87	*$1,133,934 43	—$8,251 06	$529,593 77	$1,480,033 21
Charities	1,201,363 02	281,060 09	430,759 06	1,097,441 92	+5,726 73	98,194 37	920,302 93
Prisons	346,973 37	26,642 00	8,885 50	340,463 92	—106 55	6,616 00	320,331 37
Armories	373,536 57	139,072 90	118,002 29	273,885 26	+4,411 52	95,239 79	234,463 67
Normal schools	18,516 69	18,516 69	12,318 07	17,756 70	—64 01	824 00	.....
Educational	1,061,154 00	249,852 71	337,955 03	1,000,951 72	+6,494 91	53,707 37	811,301 29
Public buildings	513,253 54	268,929 78	132,896 71	466,830 04	+700 80	45,722 70	244,323 76
Regulative	16,711 99	881 00	2,859 80	16,367 99	+344 00	.....	15,830 99
General	43,220 71	†31,009 69	†17,895 19	27,413 60	+1,825 90	13,981 21	12,211 02
	$5,230,012 03	$1,186,835 79	$1,519,599 52	$4,375,045 58	+$19,503 86	$843,884 21	$4,038,798 24
Less defaulted contract	4,378 00	.....	.....	4,378 00	—8,421 62	.....	.....
	$5,225,634 03	.....	.....	$4,370,667 58	+$11,082 24	.....	.....

* Includes Arthur Casey contract, $4,378; Middletown State Hospital, not signed.
† Includes $330.53 certificates to Garvey Drilling Co., Crown Point Reservation, not included in contract totals.

Under the appropriation bill for the year provision was made for six additional superintendents of building construction because of my desire to increase the effectiveness of State construction work and to better safeguard the State's interests. Only two were appointed as I deemed this increase in the inspection force sufficient to carry on the work of that Department until conditions will permit an increase in construction work.

SUMMARY STATEMENT SHOWING CONTRACTS IN FORCE OCTOBER 1, 1915 TO JUNE 30, 1916, CERTIFICATES ISSUED ON CONTRACTS, OCTOBER 1, 1915 TO JUNE 30, 1916, AND CERTIFICATES ISSUED PRIOR TO OCTOBER 1, 1915

	Contracts in force October 1, 1915 to June 30, 1916	Certificates issued on contracts October 1, 1915 to June 30, 1916	Certificates issued prior to October 1, 1915	Total certificates issued on contracts in force October 1, 1915 to June 30, 1916
Hospitals	$1,655,282 14	$458,027 87	$338,689 10	$796,716 97
Charities	1,201,363 02	430,759 06	368,126 83	798,885 89
Prisons	346,973 37	8,885 50	324,639 99	333,525 49
Armories	373,536 57	118,002 29	144,273 76	262,276 05
Normal schools	18,516 69	12,318 07	6,198 62	18,516 69
Educational	1,061,154 00	337,955 03	443,683 99	781,639 02
Public buildings	513,253 54	132,896 71	218,573 11	351,469 82
Regulative	16,711 99	2,859 80	9,663 99	12,523 79
General	43,220 71	17,895 19	14,057 03	31,952 22
	$5,230,012 03	$1,519,599 52	$1,867,906 42	$3,387,505 94
Less defaulted contract	4,378 00			
	$5,225,634 03			

UNDER SPECIAL FUND ESTIMATES

There were 238 special fund estimates considered by the Department, amounting to $567,796.06. Of this number, 23 estimates, amounting to $373,832.49, submitted from various State hospitals, were included under contracts awarded. There were 8 at the Manhattan State Hospital, 5 at the Middletown State Hospital, 4 at the Central Islip State Hospital, 2 each at the Binghamton State Hospital and the Buffalo State Hospital and 1 each at the Brooklyn State Hospital and the Kings Park State Hospital.

These special fund estimates cover work by the various institutions, in both the construction and the engineering branches, by

inmate and day labor and the purchase of materials in the open market.

The submission of these estimates to the Department of Architecture for consideration has become more or less optional with the several State officials and commissions to which the various State institutions report, subject to such requirements as may be made by the State Comptroller.

The special fund estimates so submitted are supposed to cover all work to be executed under plans and specifications prepared by the Department of Architecture; all work charged against specific appropriations, other than for maintenance and for which the State Comptroller requires the joint letter of release, signed by the State Architect and the State official or commission to whom the institution reports, and such other special fund estimates upon which the technical advice of the Department of Architecture is requested.

It will be noted from the appended list that while about the usual number of special fund estimates have been submitted by the State Hospital Commission, the State Superintendent of Prisons and miscellaneous State institutions, the number of estimates received from the institutions reporting through the State Fiscal Supervisor of Charities has grown gradually less, and that only seven special fund estimates were received from that department during the nine months covered by this report.

The following is the number and amounts of all special fund estimates, not included in contracts, received and considered during the above period:

State Hospitals

	Estimates	Amount
Binghamton State Hospital	14	$6,603 77
Brooklyn State Hospital	15	4,760 64
Buffalo State Hospital	10	4,882 32
Central Islip State Hospital	15	14,292 91
Gowanda State Hospital	2	1,406 50
Hudson River State Hospital	2	839 50
Kings Park State Hospital	14	2,255 50
Manhattan State Hospital	33	28,968 08
Middletown State Hospital	7	1,993 59

	Estimates	Amount
Mohansic State Hospital	2	752 86
Rochester State Hospital	7	2,614 99
St. Lawrence State Hospital	3	5,150 00
	124	$74,520 66

Charitable Institutions

Thomas Indian School, Iroquois	2	$1,798 99
Custodial Asylum for Feeble Minded Women, Newark	1	1,550 71
Eastern New York Reformatory, Napanoch	1	19,505 78
State Institution for Feeble Minded Children, Syracuse	1	1,854 00
Letchworth Village, Thiells	2	1,109 33
	7	$25,807 81

State Prisons

Auburn Prison	1	$256 67
Clinton Prison	18	25,071 60
Dannemora Hospital	22	14,779 27
Great Meadow Prison	11	8,486 53
Matteawan Prison	6	13,542 42
Sing Sing Prison	8	4,665 44
	66	$66,801 93

Other Institutional Groups

Brockport Normal School	3	$1,964 66
Cornell University	2	2,871 59
Fredonia Normal School	1	480 00
Letchworth Park	1	4,597 66
School of Agriculture and Domestic Science, Delhi	4	11,126 57

	Estimates	Amount
Onondaga Indian Reservation	1	830 53
Saratoga Reservation	1	1,099 84
St. Regis Indian Reservation	2	500 00
Syracuse University	1	85 00
Thatcher Park, Albany	1	780 00
Watkins Glen, Watkins	1	2,497 32
	18	$26,833 17
	215	$193,963 57
Included in contracts	23	373,832 49
Total	238	$567,796 06

NEW PROJECTS CONSIDERED

One hundred and thirty-five new projects which involved a survey and, in the majority of cases, the preparation of plans, sketches, working drawings and detailed specifications, preparatory to contract award, were considered by the drafting and engineering divisions during the year. This work involved the preparing of plans and specifications, as stated, and revisions where necessary, the securing of estimates preliminary to appropriation and the supplying of all information required by the institutions where the work was projected. Some projects were abandoned, after extensive study by the Department, because of failure of legislative appropriation. Each project was considered upon the request of institutional boards or commissions and the data which was secured will be immediately available when an appropriation is made.

Institutional and departmental work given attention during the year follows:

Job number	Institution	Work
331	Gowanda State Hospital	Increased water supply.
332	Elmira Reformatory	Shop No. 4.
333	Gowanda State Hospital	Repairs to power house stack.
334	Mohansic State Hospital	Water supply.
335	Utica State Hospital	Mortuary, bakery, boiler house, and increasing accommodations in patients' building.

Job number	Institution	Work
336	Women's Relief Corps Home, Oxford	Sewage disposal plant.
337	Training School for Girls, Hudson	Entrance gatehouse.
338	Training School for Girls, Hudson	Disciplinary building.
339	Training School for Girls, Hudson	Completing power house system.
340	Training School for Girls, Hudson	Roof, administration building.
341	Training School for Girls, Hudson	Storehouse, refrigerating plant.
342	Training School for Girls, Hudson	Painting cottages.
343	Training School for Girls, Hudson	Superintendent's home.
344	Training School for Girls, Hudson	Employees' home.
345	Training School for Girls, Hudson	Staff house.
346	State Capitol	Alterations, judiciary committee room, Senate.
347	Letchworth Village, Thiells	Two railroad bridges.
348	Rochester State Hospital	Fifty patient cottage, 150 patient building, two 40 patient cottages, etc.
349	Cornell University	Zoology and entomology hall.
350	Matteawan State Hospital	Building improvement extension.
351	St. Lawrence State Hospital	Completing coal shed.
352	St. Lawrence State Hospital	Accommodations for 100 employees.
353	Women's Relief Corps Home	Sewage disposal plant.
354	Letchworth Village	Administration and industrial buildings, assembly hall, shop, cottages, sewers, etc.
355	Governor Clinton home	Completing home.
356	Education building	Changes to eaves, repairing walks, changes in pipes, etc.
357	Hudson River State Hospital	Extension of water intake system.
358	Hudson River State Hospital	Repairing main chimney stack.
359	State Capitol	Rearranging Assembly post office.
360	Brooklyn State Hospital	Reception hospital.
361	Troop H armory, Rochester	Armory.
362	Geneseo Normal College	New boiler.
363	State Capitol	Additional shelving, legislative library.
364	State Capitol	Steel lockers, mezzanine floor, west corridor.
365	State Training School for Girls, Hudson	Drawings of McIntyre residence.
366	Telephone building	Metal furniture, adjutant-general's office.
367	State Training School for Girls, Hudson	Coal trestle.
368	State Capitol	Tile floors, room 319.
369	State Capitol	Lighting fixtures, Senate chamber.
370	State Capitol	Bronze registers, third floor.
371	Schuyler Mansion	Restoring mansion.
372	State Capitol	Repairs, Assembly grill.
373	Tenth Battalion Armory, Albany	Fire escapes.
374	State Capitol	Reconstructing corridors, Assembly parlor.
375	Agricultural Hall	Repairs, alterations.
376	State Capitol	Painting room 139, lighting fixtures, rooms 139, 140, 141.
377	State Capitol	Skylights, rooms 444, 445.
378	State Capitol	Repairing, reconstructing room 238.
379	State Capitol	Repairing leaks, west staircase.
380	Grant Cottage, Mt. McGregor	Bronze tablet and sign.
381	Health Department, Albany	Concrete reservoir, water supply.
382	Sing Sing Prison	Topographical map.
383	State Capitol	Waterproofing roof, north and south approaches.
384	State Capitol	Electric work, north and south approaches.

Job number	Institution	Work
385	Brooklyn State Hospital	Record drawings of reception and chronic hospital.
386	State Capitol	Reconstructing and decorating rooms vacated by Court of Appeals.
387	State Capitol	Directory board, Industrial Commission.
388	Sing Sing Prison	Detailed estimates of cell block, etc.
389	Long Island Normal School	Estimates for 250 normal and 675 grade student building.
390	State Capitol	Colors case, Thirteenth New York Cavalry.
391	State Capitol	Painting, alterations, rooms 241, 245, 246, parts of rooms 248, 249.
392	Linlithgo fish hatchery	Hot water heating plant, director's residence.
393	Brockport Normal School	Repairs, principal's residence.
394	State Capitol	Alterations, press headquarters, third floor.
395	Tenth Battalion Armory, Albany	Repairs, electric equipment.
396	Delaware and Hudson building, Albany,	Alterations, rooms for Supreme Court reporter.
397	Delaware and Hudson building, Albany,	Alterations, rooms for indexing session laws.
398	St. Lawrence State Hospital	Estimates for fire escapes.
399	School for Deaf Mutes, Malone	Annex, kindergarten building.
400	State Capitol	Toilets, room 608.
401	Manhattan State Hospital	New water main.
402	Manhattan State Hospital	Elevators, 200 patient building.
403	Letchworth Village	Extending sewer lines to connect laundry
404	Watkins Glen Reservation	Rest room.
405	Manhattan State Hospital	Power plant.
406	Tenth Battalion Armory, Albany	Changes in basement, ventilation, etc.
407	State Hall	Electric fixtures.
408	State Capitol	Estimates, fireproof cases, Department of Architecture.
409	Hospital for Crippled and Deformed Children, West Haverstraw	Completing hospital.
410	State School of Agriculture, Cobleskill.	Dairy and horse barn.
411	State School of Agriculture, Cobleskill.	Hog house.
412	State School of Agriculture, Cobleskill.	Dairy building and apparatus.
413	State School of Agriculture, Cobleskill.	Two silos.
414	Brockport Normal School	Painting, repairs to roofs.
415	State Capitol	East gallery, Assembly Chamber.
416	Letchworth Village	Alterations, extension of dam, block plans.
417	Letchworth Village	Storehouse, refrigerating plant.
418	Letchworth Village	Cottages E, F, G and H.
419	Letchworth Village	Conduit, steam and return piping, boys' group.
420	Craig Colony for Epileptics, Sonyea	Water supply.
421	Custodial Asylum for Feeble Minded Women, Newark	Farm barn.
422	Matteawan State Hospital	Dining room and kitchen, second story accommodations for patients.
423	Great Meadow Prison	Shop building.
424	State Agricultural Experiment Station, Geneva	Administration, library, demonstration building, etc.
425	State Capitol	Painting, refinishing rooms 344, 345 and 346.
426	Binghamton State Hospital	Repairs, alterations to coal trestle.

Job number	Institution	Work
427	St. Lawrence University, Canton	Alterations and additions, manual training shop, etc.
428	Training School for Girls, Hudson	New roof, administration building.
429	State Capitol	Alterations, office of the Superintendent of Prisons.
430	New Paltz Normal School	Addition to school.
431	Great Meadow Prison	Piggery.
432	State Institute for Study of Malignant Disease, Buffalo	Filter.
433	Brooklyn State Hospital	Storehouse, cold storage building.
434	Central Islip State Hospital	Additional water supply.
435	Central Islip State Hospital	Conduit, steam pipe lines.
436	Binghamton State Hospital	Enlargement and equipment of laundry.
437	State College of Forestry, Syracuse University	Heating power plant.
438	Craig Colony for Epileptics, Sonyea	Coal storage plant, equipment, etc.
439	Hospital for Crippled and Deformed Children, West Haverstraw	Laundry.
440	School of Agriculture, Farmingdale, L. I.	Horse barns.
441	School of Agriculture, Farmingdale, L. I.	Hog house.
442	School of Agriculture, Farmingdale, L. I.	Greenhouse.
443	Middletown State Hospital	Tuberculosis hospital.
444	Middletown State Hospital	Piggery.
445	Troop B Armory, Albany	Interior drainage.
446	Craig Colony for Epileptics, Sonyea	Dormitory.
447	Manhattan State Hospital	Additional accommodations for disturbed patients.
448	Central Islip State Hospital	Additional accommodations for acute patients.
449	School of Agriculture and Domestic Science, Delhi	Changes and repairs to academy building.
450	Crown Point Reservation	Well.
451	State School for the Blind, Batavia	Additional toilet room, equipment.
452	State School for the Blind, Batavia	Additional fire protection.
453	State School for the Blind, Batavia	New pump house.
454	Rochester State Hospital	Additional accommodations for disturbed patients.
455	Rochester State Hospital	Fire escapes.
456	Thomas Indian School, Iroquois	Completing barn.
457	General Herkimer Home, Danube	Caretaker's cottage.
458	Wingdale or Beekman Prison	New farm and industrial prison.
459	Custodial Asylum for Feeble Minded Women, Newark	Filter, water purification plant.
460	Custodial Asylum for Feeble Minded Women, Newark	Elevated water tank.
461	State Farm for Women, Valatie	Stairways to attic.
462	Willard State Hospital	Fire escapes.
463	Letchworth Village (consolidated with job No. 416).	
464	Saratoga Reservation	Bottling plant.
465	State Agricultural and Industrial School, Industry	Boys' cottage.
466	Oswego Normal School	Underground passage, street to school.

INCREASED BED COST

While it is difficult to analyze construction figures because of the various details entering into the building of ward buildings, dormitories, cottages, homes for nurses or other employees, it is easily seen that building cost, when reduced to inmate or other individual bed capacity, has greatly increased within the past decade. Certain types of institutional service buildings, such as the reception hospital at the Brooklyn State Hospital, where the highest construction cost per inmate bed prevails, requires construction to permit observation and special care and treatment of patients, expensive equipment, etc. Fireproof, semi-fireproof and ordinary building or non-fireproof construction also enters into the cost per inmate bed, as well as other construction details necessary to meet local conditions. This table will show the variance in bed construction cost and it will be noted that the highest cost prevails among buildings placed under construction within the last year or two:

State Hospitals

WARD BUILDINGS AT	Built in	Cost or contract price	Bed capacity	Cost per bed	Construction type
Hudson River	1906	$223,372 00	440	$507 00	Non-fireproof.
Manhattan	1913	173,199 00	207	836 00	Fireproof.
Manhattan	1913	146,847 00	150	978 00	Fireproof.
Brooklyn *	1915	176,162 00	154	1,144 00	Fireproof.
Brooklyn	1915	234,743 00	440	534 00	Fireproof.
Binghamton	1915	198,874 00	282	705 00	Fireproof.
Rochester	1916	†27,500 00	42	654 00	Semi-fireproof.
COTTAGES AT					
Central Islip	1909	278,000 00	600	463 00	Non-fireproof.
Kings Park	1910	282,000 00	600	470 00	Non-fireproof.
Manhattan	1910	148,000 00	200	740 00	Non-fireproof.
Central Islip ‡	1912	176,666 00	300	588 00	Non-fireproof.
HOMES FOR NURSES OR EMPLOYEES AT					
Buffalo	1904	35,159 00	101	348 00	Non-fireproof.
Binghamton	1907	73,775 00	150	491 00	Non-fireproof.
Middletown	1908	74,925 00	150	500 00	Non-fireproof.
Central Islip	1909	107,200 00	210	510 00	Non-fireproof.
Manhattan	1912	96,890 00	116	835 00	Fireproof.
Rochester	1913	56,707 00	106	535 00	Fireproof.
Kings Park §	.....	127,274 00	180	707 00	Fireproof.

* Reception hospital. † Estimated. ‡ Includes dining-room. § Bids received March 3, 1916, rejected; over appropriation.

Charitable Institutions

DORMITORY BUILDINGS AT	Built in	Cost or contract price	Bed capacity	Cost per bed	Construction type
Rome Custodial Asylum	1905	$92,138 00	234	$394 00	Non-fireproof.
Letchworth Village, Cottages A, B, C, D	1912	142,576 00	224	636 00	Fireproof.
Craig Colony for Epileptics, Sonyea, west group	1912	37,652 00	64	588 00	Fireproof.
Custodial Asylum for Feeble-Minded Women, Newark	1915	55,171 00	111	497 00	Fireproof.
Rome Custodial Asylum	1916	121,176 00	362	335 00	Fireproof.
Craig Colony for Epileptics, Sonyea, Nos. 2 and 3	1916	70,475 00	121	586 00	Fireproof.
Letchworth Village, Cottages E, F, G, H	1916	*188,910 00	221	855 00	Fireproof.
COTTAGES AT					
Training School for Girls, Bedford Hills:					
Nos. 9, 10 and 11	1913	94,321 00	96	983 00	Fireproof.
Nos. 13, 14, 15 and 16	1913	87,240 00	96	907 00	Fireproof.
HOSPITALS AT					
Custodial Asylum for Feeble-Minded Women, Newark	1913	51,243 00	96	534 00	Fireproof.
Training School for Girls, Bedford Hills	1913	39,517 00	35	1,129 00	Fireproof.
State School for Blind, Batavia	1915	17,381 00	16	1,086 00	Non-fireproof.
Training School for Girls, Hudson, contagious	1915	15,951 00	10	1,595 00	Non-fireproof.
Training School for Girls, Hudson, main	1915	72,691 00	46	1,580 00	Fireproof.
Hospital for Crippled and Deformed Children, West Haverstraw	1915–6	†88,097 00	88	1,022 00	Fireproof.

* Bids rejected. † Estimate.

NEEDS OF INSANE HOSPITALS

The necessity for providing additional beds in the insane hospitals of the State, especially in and about Greater New York to relieve existing overcrowded conditions, will be met by appropriation by your honorable body, approved by the Executive, under which contracts have been awarded and construction is now in progress.

More Beds at Brooklyn Hospital

Contracts for a reception hospital and a chronic building at the Brooklyn State Hospital were awarded in April, the former at the contract price of $176,162 and the latter $234,743. The original appropriation for these two buildings, $400,000, by chapter 727, Laws of 1915, was not sufficient to carry out the construction scheme because of the advanced price of material and labor, and a supplemental appropriation of $30,000 was made

under chapter 646, Laws of 1916. The contracts call for the completion of the buildings in 1917.

The reception hospital will provide accommodations for 154 patients and the chronic building 440, a total of 594, increasing the capacity of the institution from approximately 800 to 1,300 patients. The construction cost per bed in the reception hospital will be $1,144 and in the chronic building $534.

The reception hospital will provide all the usual features required for the reception service and in addition an operating ward and shaft for a passenger elevator and a central kitchen where the food will be prepared for the patients and the attendants of this building, the new building for chronic patients and a future building for this latter class of patients. The reception hospital will also provide accommodations for six attendants and living quarters for one physician. It will consist of three stories and a basement.

The chronic building will be four stories high with portions of the basement finished. The building provides 8 50-patient dormitories, 8 large day rooms, 35 single patient rooms, 8 attendants' rooms and living quarters for three physicians. Provision is also made for an elevator. The dining rooms are located temporarily in the basement. An addition to this building is contemplated in the future in which permanent dining rooms and quarters for additional attendants are to be provided. The basement rooms used temporarily as dining rooms will then be used for patients' occupation and recreation rooms. The chronic building has a frontage of 298 feet and wings on each end are 127 feet long.

Provision has been made in the constructive scheme for the future providing of recreation roofs, suitably enclosed, one connected with each building. They were provided for because of lack of land area and are the first contemplated at insane hospitals in the State. A recreation roof has been advantageously operated at the John Hopkins Hospital in Baltimore.

The average floor space in the reception hospital is 13,390 square feet and in the chronic building, 18,390 square feet. The buildings are of the latest type of construction throughout. They are of common brick, with concrete foundations, brick and terra

cotta interior partitions, reinforced concrete floors covered with linoleum, except in the kitchen, scullery, serving, toilet and bathrooms, where tile is used. The roofs are of ordinary timber construction, covered with tin.

Contracts have also been made covering the engineering work in the two buildings. The equipment represents the latest development for the class of patients to be housed. All outside connections, including underground heating mains, sewers, water mains and electric service, have been provided in the contracts. Each building has been provided with blower and exhaust fans for supplying ventilation for the various day and dormitory rooms and for exhausting the foul air in the toilet rooms.

Plans and specifications were also developed for a storehouse and cold storage building under an appropriation of $10,000 and an authorization of $50,000. Upon their approval by the State Hospital Commission bids will be invited and it is expected the work will be started within a few months.

The power house has been completed with the exception of the installation of some of the heating apparatus. The plant, however, is in operation. The contract cost is $123,873. Three 400-horse power boilers have been installed and provision has been made for three additional boilers of like capacity. The per capita cost per horse power is $103.23.

Work Completed at Binghamton Hospital

Plans and specifications were prepared for an enlargement and equipment of the laundry at the Binghamton State Hospital. The appropriation was $32,000. Plans were also prepared for repairs and alterations to a coal trestle.

Work completed during the year includes the reconstruction of the electric light system and steam and exhaust piping at a contract cost of $39,615. Construction of the chronic patient building and a new boiler stack at the power house are gradually nearing completion and it is expected the new patients' building will be ready for occupancy during the coming winter when the institution's capacity will be increased by 282 beds. Work on an addition to the power house has also been started.

Contracts at Buffalo Hospital

The contract for providing for additional heating capacity at the Buffalo State Hospital is over one-half finished and contracts for renewing sewer lines and installing equipment in the water softening plant are practically completed.

Added Quarters at Central Islip

Sketches have been approved and working drawings started for additional quarters for acute patients at the Central Islip State Hospital under an appropriation of $50,000 of a $200,000 authorization. The building will serve as a reception hospital and it will accommodate 184 acute patients and 44 attendants with four rooms for physicians.

There is a large amount of underground heating mains at the North Colony which have become exposed through the rotting of the insulation, and in order to keep the heat losses down to a minimum it is necessary to replace them. During the last year the first section of this work from the power house was installed and this year another section will be placed under contract under an appropriation of $20,000. Plans have been prepared for a third section for which at present there is no appropriation available. It is hoped by the institution managers that an appropriation will be made covering the third section for which bids received indicate that the cost will be about $7,800. This will cover the full length of the main line of steam conduit, leaving only the branch connections to be replaced as money is appropriated.

Originally all the water for the hospital was taken from shallow wells located near the power house in each colony. The water was pumped by suction and it has given considerable trouble, due to salts, which have an injurious effect on the boilers. It has been found that artesian wells, approximately 800 feet deep, deliver a better supply of water for boiler feed and domestic hot water purposes, and it is proposed to change these systems to this service as fast as appropriations are made for driving wells.

Two wells were contracted for a year ago, one at the North Colony power house and the other at the South Colony power house. There has now been placed under contract under an

appropriation of $6,000 two additional wells, to be located at the South Colony power house. This will make three deep artesian wells at the South Colony and two at the North Colony power house which will be pumped by suction and will supply all the water necessary for boiler purposes. A difference has been noticed in the scale forming in the boilers.

Contracts for renewing steam heating mains and installing additional electric equipment were completed during the year at a cost of $13,496.87.

New Building at Gowanda Hospital

Plans were prepared for a mortuary and laboratory and equipment at the Gowanda State Hospital under an appropriation of $10,000. This building is 30 by 45 feet, one story high, with finished basement, and made of common brick with concrete foundations, brick and terra cotta interior partitions, reinforced concrete floors supported on steel beams, tile and cement finished floors and the roof of ordinary timber construction, covered with shingles. There is located in the basement a post mortem room. an embalming room, a mortuary vault for six bodies, a small chapel, a dark room, store room and toilet. The first floor consists of the microscopic laboratory, the bacteriological laboratory, museum and office and filing room. The construction work will be by the institution authorities by special fund estimate, that is, by mechanics regularly employed by the hospital and patient labor, supplemented by the employment of additional mechanics and labor where necessary. All materials are purchased by competition in the open market.

Plans were also developed for an additional water supply, for which $3,000 was appropriated and for a feed water heater and building, appropriation $2,000, and for repairs to the power house smokestack. A contract for $3,297.54 for installing underground steam connections was completed.

Water Supply at Hudson River Hospital

The work of improving the water supply at the Hudson River State Hospital was completed at a contract price of $32,170.56. The contemplated extension of the water intake system was given

consideration by the Department, preliminary to an appropriation, and plans were developed for repairing the main chimney stack.

Bids Rejected at Kings Park Hospital

Plans and specifications were prepared and bids secured for an employees' home at the Kings Park State Hospital, but on account of the advance in prices at the time the bids were received it was impossible to place the project under contract and keep within appropriation, $100,000. The work had to be delayed until an authorization is received from the State Hospital Commission, setting forth the necessary reduction in the size of the building so as to come within the amount appropriated. The original plans proposed a building to accommodate 180 employees, but the bids received on March 3, 1916, totaled $127,274, or $27,274 in excess of the appropriation. The bids were rejected, the requirements modified by the State Hospital Commission and new plans and specifications have been prepared to come within the appropriation.

An extension to the heating system was completed at a cost of $14,340. Three cottages to accommodate 420 patients are nearing completion and the plumbing and drainage work in the new building for chronic patients is over one-half completed.

More Accommodations at Manhattan Hospital

Under chapter 646, Laws of 1916, sketches have been approved and working drawings are being prepared for a building to accommodate approximately 200 patients and 24 attendants at the Manhattan State Hospital, and with living quarters for one physician. A kitchen, which will form a part of the building, will also serve an existing building. The legislative authorization was $200,000, of which $46,500 was appropriated.

Work was also performed by the Department on a new water main and elevators for the 200 patient building now in course of construction.

Plans have been prepared covering a central domestic hot water system in which all the hot water for the entire institution will be heated at the power house and circulated through flow

and return mains throughout the buildings. The work has not been started. No appropriation has been made.

Sixteen contracts were in force at the hospital during the year, including the two new hospital buildings, one to accommodate 200 patients and the other 150. Both are about 75 per cent completed. A power house addition is nearing completion. It will do away with two separate boiler plants when completed. Naturally the largest scene of contract activity among the State hospital group is at this institution because of its inmate capacity and the large population center which the hospital serves.

Tubercular Hospital at Middletown

Sketches have been approved for a building for tubercular patients at the Middletown State Hospital for which $30,000 has been authorized and $10,000 appropriated. The building will be one story high and it will accommodate 48 patients in dormitories, and provision is made for a future addition to contain 12 single rooms for patients.

Power house construction work has been advanced well toward completion, except the heating and electric contracts. Some delay was encountered on the construction contract. The original low bidder failed to sign a contract after the contract had been awarded to him and it was necessary to readvertise the work.

More Bed Space at Rochester Hospital

Plans and specifications were developed for additional accommodations for disturbed patients at the Rochester State Hospital under an authorization of $27,500 and an appropriation of $10,000. Two three-story and basement additions to the Livingston building for housing 40 chronic male patients have been designed. They will be of brick, brick interior partitions, mill floor construction and ordinary timber roof construction, covered with slate.

Work was also performed, preliminary to an appropriation, for a 50 patient cottage, a 150 patient building and two 40 patient cottages, but no appropriation for the work was made.

Plumbing and sanitary work at the North building was completed during the year.

At Other Hospitals

Plans were prepared for completing the construction of a coal shed at the St. Lawrence State Hospital under an appropriation of $6,000. The work did not go to contract as the apropriation was not deemed large enough. Preliminary estimates were made for a building to accommodate 100 employees and for fire escapes for the main buildings. The construction of a water softening plant was completed at a cost of $6,580.

The Department, at the request of the managers of the Utica State Hospital, provided estimates for the cost of the construction of a mortuary, bakery and boiler house and for additional patient accommodation. No appropriation was made.

Plans were prepared for fire escapes at the Willard State Hospital under an appropriation of $12,000 and the work will soon be under contract.

Summary of Year's Work

One hundred and twenty four special fund estimates, not included in contracts, and amounting to $74,520.66, were approved during the year. The work represented that by inmate and day labor, the institutions purchasing the necessary material in the open market and the Department preparing the plans and specifications for the work.

The total amount of contracts in force among the State hospitals was $1,650,904.14. Contracts amounting to $170,870.93 were completed and the contracts awarded during the year aggregated $529,598.77. The contracts in force at the close of the fiscal year amounted to $1,480,033.21.

AMONG CHARITABLE INSTITUTIONS

There has also been a demand for increased accommodations among the charitable institutions of the State. The volume of construction demand for the institutions where the dependent wards of the State are confined, other than the insane, is about equal to the State hospitals, due to the larger number of charitable institutions. The total amount of contracts in force among the charitable institutions was $1,201,363.02, as compared with $1,743,175.64 in the preceding fiscal year. Contracts were com-

pleted, amounting to $281,060.09, and the total of the new contracts awarded was $98,194.37. The face of the contracts in force at the close of the fiscal year was $920,302.93. The heavier volume of construction among the hospitals this year is due to the very overcrowded conditions in these institutions.

Western House of Refuge

The carrying out of the contract for alterations to the sewer system at the Western House of Refuge at Albion has been delayed because of a difference between the State and Albion over the line of connection to the village sewer system. Steps are under way to adjust the differences and I believe the contract will be completed within the next two months.

Work Completed at Soldiers' Home

No work was projected at the New York State Soldiers' and Sailors' Home at Bath during the year. Four contracts, amounting to $21,587.25, were completed, including one for a large barn.

Hospital Addition at Blind School

The addition to the hospital at the State School for the Blind at Batavia will be completed before fall. It will provide additional ward space for 16 beds with necessary toilets. The contracts total $17,381.33, or $1,086 per bed. The preliminary steps were also taken to prepare plans and specifications for additional toilet rooms in a wing of one of the buildings, for which $2,500 was appropriated, additional fire protection, $5,000, and a new pump house, $1,800. They will go to contract this summer.

No New Work at Bedford School

No new work was inaugurated at the State Reformatory for Women at Bedford Hills. There were fourteen contracts in force during the year, amounting to $143,228.86, and nine contracts, amounting to $70,615.35, were completed, and five, total $72,613.51, are still in force. The contracts completed were for electric work on seven cottages. The construction of the boiler house and installation of equipment were completed as well as equipping the boiler house at the farm group.

Contemplated Improvements at Hudson School

Sketches were prepared for a group of buildings at the New York State Training School for Girls at Hudson for the purpose of making estimates of cost, but no appropriation was made. A new disciplinary building, entrance gatehouse, storehouse and refrigerating plant, superintendent's house, staff house, employees' house, the completion of the power house system, a new roof for the administration building and painting cottages had been under consideration by the managers. Minor work related to drawings for the McIntyre residence, the institution coal trestle and the administration building roof.

Twenty four contracts were in force, amounting to $154,523.47. Contracts completed included those covering the contagious hospital, Cottages 11 and 12 and laundry enlargement, amounting to $71,110.63. Contracts still in force aggregate $83,412.84.

New Cottage at Industry

Preliminary work on plans for a boys' cottage at the State Agricultural and Industrial School at Industry are under way. The Legislature appropriated $12,000 for the project which will provide accommodations for 24 boys and one employee. The addition to the institution hospital is about completed. It will provide 18 more beds. The contract price is $8,917.50, or $495.41 per inmate bed.

Development of Letchworth Village

The construction development of Letchworth Village at Thiells was continued. Drawings and specifications have been completed for four additional cottages in the boys' group for which $168,000 was authorized and $42,000 appropriated. The cottages will provide accommodations for 221 inmates and they will be identical with Cottages A, B, C and D, now in process of construction. They will go to contract within a few months.

Plans and specifications were also prepared for a store house and refrigerating plant for which $60,000 was authorized and $15,000 appropriated and for tunnel, conduit work, steam and return piping and hot water piping, boys' group, for which

$10,000 out of a $30,000 authorization was appropriated and block plans for alterations, extension to the dam, appropriation $5,000.

The construction of Cottages A. B. C and D have been completed except the heating and electric service connections. The central heating plant is about completed. Other buildings under contract are the laundry and service buildings and attendants' home for which many construction and engineering drawings were required during the year. The contract price of the laundry is $32,828.19, the service building $52,515.75, and the attendants' home, $13,421.23. Four power house contracts, amounting to $15,596.29, were completed and the present sewerage system has now been extended across the creek to the laundry building. This is the trunk sewer for all buildings on the north side of the creek.

The amount of contracts in force was $247,347.37 and the contracts completed $34,208.79, leaving $213,138.58 in contracts in force at the close of the fiscal year.

Hospital at Napanoch Reformatory

Contracts for $10,210 were made for some structural steel, iron and stair work and steel sashes in the hospital at the Eastern New York Reformatory at Napanoch. The hospital is being constructed by inmate labor under plans and specifications prepared last year, supplemented by many detail drawings made this year.

Power House Changes at Newark Asylum

Specifications, drawings and details have been completed and contracts awarded for extensive alterations and additions to the power house at the State Custodial Asylum for Feeble-Minded Women at Newark which, when completed, will give this institution a complete modern building for its power service. The contracts aggregate $64,680 and cover the installation of an additional boiler plant, consisting of two 150 horse power return tubular boilers, new pump room equipment and one new 50 K. W. D. C. generator and engine with switchboard panel. The boiler house has been so designed that additional boilers can be installed, and it is believed that the size of the building now under construction will take care of any future needs of the institution.

Provision should be made, however, for some additional boiler capacity in the very near future, as some of the old boilers have had to be retained which have been in service for many years.

Plans were also started for a filter and water purification plant for which $15,000 was authorized and $7,500 appropriated and for an elevated water tank for which $10,000 was appropriated. Plans were also prepared for a barn which it was intended to build under special fund estimate, but the appropriation, $3,500, was deemed insufficient.

Fifteen contracts were in force amounting to $171,662.24. Contracts completed amounted to $9,756 while contracts, face $161,906.24, were in force at the close of the year, including three contracts, $50,904 on the 92 patient cottage and five, $46,189.40 on the hospital.

Oxford Home's Sewage Disposal

Plans and specifications have been prepared for immediate contract for a sewage disposal plant at the Women's Relief Corps Home at Oxford for which $5,000 was appropriated by chapter 727, Laws of 1915. The sewage disposal was made necessary because of complaints of stream pollution and plans were made to remove all solids from the sewage discharging into the creek. It is planned to install a plant to consist of a screen chamber with Imhoff tank and sludge drying bed with provision for installing chlorine apparatus. The latter, however, cannot be placed under contract at present because of insufficient appropriation.

Contracts for $4,130.60 covering the installation of an engine and dynamo, an addition to the hospital and the installing of an elevator were completed.

Contract Development at Rome Asylum

Plans and specifications were prepared for a walking tunnel at the Rome Custodial Asylum under chapter 531, Laws of 1914, reappropriated, and contract award will soon follow. I believe that institutions, in considering such installation, should seriously consider the cost of the type of underground piping construction proposed. Drawings for fireproofing floors and stairways in buildings D and E have also been made.

Contracts for $136,472.33 are still in force on the dormitory building. The contract development is approximately 50 per cent.

New Dormitory Buildings at Sonyea

Sketches have been prepared for two dormitory buildings at the Craig Colony for Epileptics at Sonyea. These buildings will be in the west group and they will provide additional accommodations for 121 inmates. An authorization of $80,000 has been made with an appropriation of $20,000.

Drawings have also been completed for an addition to the cold storage building and for a cold storage plant, for which with equipment there has been an authorization of $25,000 and an appropriation of $5,000.

Another improvement projected under appropriation by the last Legislature is the completion of a new water supply for which $25,000 was authorized and $5,000 appropriated. The plans and specifications have been prepared covering a complete new water supply. It is proposed to take all of the water directly from the creek near the power house and to increase the size of the filtration plant to take care of this additional requirement. The work will supplement that carried on under an appropriation by chapter 530, Laws of 1912, and chapter 790, Laws of 1913.

Contracts amounting to $58,792.15 have been in force and the completed contract work amounts to $26,749.95. There are two uncompleted contracts at the power plant.

West Haverstraw's Hospital

Sketches have been prepared for an addition needed to complete the hospital building now under contract at the Hospital for Crippled and Deformed Children at West Haverstraw. The authorized appropriation by chapter 646, Laws of 1916, was $55,000 and the appropriation, $25,000, while the contracts already in effect amount to $45,647.68. Increased accommodations will be provided for 88 children. Many detail drawings have been prepared for that part of the hospital now under construction.

There are five contracts in force on the hospital with the construction work advanced to about 75 per cent. They total $45,647.68. Two sun rooms, contract price $10,833.88, were completed during the year.

Yorktown Heights Contracts

Numerous conferences have been held with institutional boards, State officials and contractors regarding further development of the State Training School for Boys at Yorktown Heights and the abandonment of existing contracts so as to protect the interests of the State. Following the abrogation of the contracts by the Board of Managers, steps were taken to make a settlement with contractors for all labor and materials, while claims for damages because of contract abrogation will go to the Court of Claims for adjustment. Further development at the institution was abandoned because of possible contamination of the water supply of the watershed from which Greater New York receives its water supply.

There were seven contracts in force during the year, face value $179,422.24. One, constructing a water supply, was completed at the contract price of $30,190.81, while the other contracts calling for the construction of 7 cottages and coal pockets at the power house are still in force.

Elmira's Trades School

Detail drawings were provided for the reconstruction of trades school building No. 4 at the New York State Reformatory at Elmira, destroyed by fire on December 8, 1914, and for which $65,000 was authorized by chapter 727, Laws of 1915. The rebuilding is by special fund estimate.

THE PENAL INSTITUTIONS

A start towards the reconstruction of the prisons of the State was made by chapter 594, Laws of 1916, which became a law with Executive approval on May 18, 1916. It authorized the reorganization of the Commission on New Prisons, defined its powers and duties and after about five years' inacivity, active steps were taken to remedy and improve prison conditions in the State. A site was selected at Wingdale, Dutchess County, during the term of Hon. Charles E. Hughes, as Governor. Plans were completed and contracts were actually under way looking towards the construction of a modern prison plant. The project was later aban-

doned until the present year when concerted action by the Executive and the Legislature, resulted in two bills passing the Legislature in 1916. They differed chiefly over the matter of a site and planning and supervising construction, and after a public hearing Governor Whitman approved the so-called Sage bill and it became chapter 594, Laws of 1916. It empowered the commission to select either the site at Wingdale or that at Beekman for a new farm and industrial prison, and ordered the demolition of the old cell block and cell house at Sing Sing Prison and the construction of a receiving and distribution station for an industrial prison for prisoners committed to the State's prisons. The expenditure of $1,250,000 was authorized for the former project and $750,000 for the reconstruction work at Sing Sing. The appropriation for each undertaking was $200,000.

Mr. Elbert H. Gary, Mr. Charles Bulkley Hubbell, the Superintendent of Prisons, the Superintendent of Public Works and the State Architect were appointed upon the new Commission by Governor Whitman. It is expected that the Commission will organize within the next ten days and the work on the reconstruction of Sing Sing Prison started. There has been considerable preliminary work under my supervision, including a study of the available water supply at Beekman, the preparation of topographical map at Sing Sing and preparing detailed estimates of cell block construction. Drawings were prepared for the water supply at Beekman and its development for use by the National Guard quarters at Camp Whitman.

New Ward Building at Dannemora

Plans and specifications have been made for an additional ward building at the Dannemora State Hospital, to be known as the northwest wing, under an appropriation of $20,000 by chapter 646, Laws of 1916. The work will be done largely by inmate labor and when completed the building will accommodate 100 inmates.

Twenty two estimates, amounting to $14,779.27, were approved. and prison addition construction contracts in force amount to $6,616.

School at Great Meadow

Specifications, drawings and engineering plans have been completed for a district school building on the grounds of the Great Meadow Prison for the use of the school district in which the prison grounds are located. Chapter 442, Laws of 1915, appropriated $20,000. The buildings will contain four rooms and an assembly hall and it will be constructed by inmate labor. Preliminary data and sketches have been provided for a new shop building, chapter 646, Laws of 1916, having provided an appropriation of $50,000 of which one-half is to be paid from the prison capital fund. Drawings have also been prepared for a vegetable storehouse and a piggery.

New Building at Matteawan

Working drawings have been started and sufficient information has been secured to proceed with the construction of a dining-room and kitchen in the women's building at the Matteawan State Hospital under an authorization of $60,000 and an appropriation of $20,000. The building will provide dining space for 200 people on the main floor and 62 beds on the second floor. It is intended to construct the building as far as possible by inmate labor. The work required considerable study and investigation by the Department.

Plans and specifications were prepared for installing one 300 horse power water tube boiler with stokers and the institution is supervising the construction. The installing of refrigerating equipment in the storehouse was completed during the year at a cost of $12,450.

Clinton Prison Hospital

Plans and specifications were prepared for the engineering work for the new tuberculosis hospital at Clinton Prison, now being erected by inmate labor. The plumbing and heating work will soon go to contract at an estimated contract price of approximately $15,000.

Work at Sing Sing

Three power house contracts were in force at Sing Sing Prison, aggregating $48,345.21. The contract for installing steam engines, $14,192, was completed.

Contracts in force among the penal institutions amounted to $346,973.37, including the construction contract of the cell block, south wing, at Great Meadow Prison. The building has been practically completed, but final acceptance was held up because of the condition of the roof. Steps are under way for an immediate adjustment and final payment. Sixty six special fund estimates, not included in contracts and amounting to $66,801.93, were approved.

STATE ARMORIES

Contracts were awarded for a new armory at Yonkers, and the securing of proposals for the armory for Troop H at Rochester will soon take place. Original bids for the Yonkers armory exceeded the appropriation by chapter 373, Laws of 1914, of $100,000 and a further revision of the plans was required. Five contracts which have been awarded aggregate $88,070.

A large amount of detail work was required before the plans for the Rochester armory were approved. Contract award, it is expected, will be made within a month.

The construction of Troop I armory at Buffalo will be completed within a few months. Troop B armory at Albany was completed during the year with the exception of the electric work. There was some minor work for the 10th Battalion armory, Albany, relative to changes in basement ventilation, drainage, electric repairs and fire escapes.

The contract total for the year in the armory group was $373,536.57. Contracts completed amounted to $139,072.90 and contracts in force at the close of the fiscal year amounted to $234,463.67.

NORMAL SCHOOLS

Sketches have been approved and specifications and working drawings have been completed for rebuilding the Potsdam Normal School at Potsdam. Chapter 389, Laws of 1915, appropriated $300,000 for the work, with $100,000 available during the fiscal year beginning October 1, 1915. Various conferences with ensuing detail work in the Department were required, but the work will be placed under contract early in the coming year. The reconstruction was made necessary because of fire.

In anticipation of legislative appropriation estimates were prepared for a normal school building to be located on Long Island to accommodate 250 normal students and 675 graded students. No appropriation was made.

Chapter 640, Laws of 1916, authorized $125,000 and appropriated $30,000 for an addition at the New Paltz Normal School at New Paltz, to provide an assembly or study room seating 400 pupils, an auditorium seating 1,200 persons and such number of recitations rooms as the Commissioner of Education may deem proper to furnish ample accommodations, together with closed passageways to connect detached buildings. Preliminary investigation, preparatory to detailed work, has been started by the Department.

Because of an accident to a boiler at the Geneseo Normal School, a new hot water boiler was installed, and plans were prepared for minor work at other schools. Contracts for additional heating, electric fixtures, telephones and repairs to sump pit, amounting to $17,708.69, were completed at the Buffalo Normal School.

OTHER EDUCATIONAL INSTITUTIONS

No building construction of any consequence was inaugurated among the educational institutions, including the agricultural schools, except at the State Institution for Deaf Mutes at Malone, where an annex to the kindergarten building was placed under contract on May 31, under an appropriation by chapter 727, Laws of 1915, of $25,000, and a dairy barn at the State School of Agriculture at Delhi.

Under plans and specifications prepared, a dairy and horse barn and a dairy building and apparatus will soon go to contract at the Schoharie State School of Agriculture at Cobleskill under appropriation by chapter 646, Laws of 1916, of $12,000 for the former and $35,000 for the latter. The dairy building will consist of two stories and basement, concrete foundation with walls of brick to the first floor and above the first floor faced with pressed brick, floors of reinforced concrete supported on steel and roof of ordinary timber construction covered with tin. Boiler and coal rooms, storage room, and general toilet and laundry will be located in the basement. The first floor will contain a room for

cream separating and butter making, sterilizer, washroom, cheese making and cheese curing, and milk and sample testing laboratory. The second floor will be devoted to bacteriological laboratory, two class rooms, office, dark room and toilet. The cubic contents will be 133,200 cubic feet. I believe the building can be constructed within the appropriation.

The dairy and horse barn will go to contract about the same time. It will have concrete walls, two stories high with slate covered roof. Contracts on the school building, amounting to $52,045.21, were completed during the year.

Twenty five contracts were in force at Cornell University. No new work was placed under contract. The Department developed sketches for a zoology and entomology hall, preliminary to an appropriation. The Legislature did not provide the necessary funds, but the information secured and detailed work planned in the Department will be available for future use. Plans and specifications have been prepared for underground conduits and steam connections, connecting various buildings of the agricultural group to the present central heating plant, and the work will soon go to contract.

The total amount of contracts in force during the year was $384,650.27 and the amount of contracts completed was $69,-680.54. The drill hall is over 50 per cent. complete.

Plans and specifications and drawings were prepared for repairs and changes to the old academy building at the School of Agriculture and Domestic Science at Delhi, for which chapter 646, Laws of 1916, appropriated $10,000. The work will be by special fund estimate. A dairy barn was placed under contract under chapter 727, Laws of 1915, the contracts aggregating $20,854. The dairy building, authorized by chapter 728, Laws of 1915, is rapidly nearing completion at a contract price of $34,724.44.

Appropriations amounting to $13,500, were made by chapter 646, Laws of 1916, for a horse barn, greenhouses, chicken houses and hog houses at the State School of Agriculture at Farmingdale, Long Island. Sketches, working drawings and specifications have been prepared under the four appropriations, and the work will be advanced to contract within a few months.

Twenty four contracts, totaling $291,932.94, were in force during the fiscal year, contracts for $109,816.98 completed and there are contracts for $182,115.96 still in force. Contracts completed covered the agronomy and horticulture buildings and power house.

Plans and specifications have been prepared for an administration, library and demonstration building at the New York Agricultural Experiment Station at Geneva for which chapter 558, Laws of 1916, authorized $100,000 and appropriated $30,000. The building will be T shaped with the administration building 101 by 48 feet and a wing in the rear 86 by 50 feet. It is expected that the building will soon go to contract.

The necessary detail drawings for contractors at the Syracuse College of Forestry have been prepared and departmental work, preliminary to contract for heating the new building, now nearing completion, has been carried out. A heating plant will be located directly in the rear of the college building and it is proposed to equip it with two 150 horse power return tubular boilers with boiler feed pumps, etc.

There are eight contracts on the college building in force amounting to $238,585.56 and the contract progress is about 80 per cent.

The annex to the kindergarten building at the State institution for Deaf Mutes at Malone was placed under contract on May 31, the contract price amounting to $22,701. The annex will be a two story building with three class rooms with seating accommodations for 72 students and two dormitories with accommodations for about 20 students.

AMONG THE PUBLIC BUILDINGS

Contracts amounting to $15,871.51 were awarded during the year for work about the State Capitol, consisting principally of the rearrangement of office space. Forty one contracts were authorized by the Trustees of Public Buildings. Contracts which were in force at the commencement of the fiscal year amounted to $77,344.11. Contracts completed included Capitol reconstruction percentage contracts, audited by the audit committee of the Trustees of Public Buildings, amounting to $23,649.41.

Work about the State Capitol included alterations in the Senate judiciary room, rearrangement of the Assembly postoffice, installing new lighting fixtures in the Senate, repairs in the Assembly grill, reconstructing and decorating rooms vacated by the Court of Appeals for occupancy by the Board of Claims, arranging press headquarters on the Assembly floor, alterations in the Superintendent of Prison's office, providing additional shelving and locker space in offices, reconstructing corridors, painting, installing skylights, repairing leaks, waterproofing entrances to Capitol, installing toilets, etc.

There was some minor construction work at the Agricultural Hall, steel furniture was installed in the Tax, Banking and Adjutant-General's departments, and repairs made at the Executive Mansion.

Plans and specifications were developed for a concrete reservoir and water supply at the Health Department farm at Guilderland for which chapter 726, Laws of 1915, appropriated $3,000. It is proposed, if the appropriation is sufficient, to construct a storage reservoir and pipe the water from a spring about half a mile distant to the laboratory and other buildings.

A large number of detail drawings have been prepared for the State Hall for the Court of Appeals which will be ready for occupancy during the first half of the coming fiscal year. Plans and specifications have been prepared for finishing and decorating the trial room, refinishing and reupholstering furniture, new wood and metal furniture and office equipment, etc. I have supervised the work of touching up and restoring many of the portraits removed from the old court room and which will be placed in the new State Hall a structure which, I believe, will be a credit to the State and a building unsurpassed for the purposes for which it has been designed and constructed.

While the construction has been delayed, due to unsatisfactory stone at first secured from Sing Sing and later replaced by stone from Vermont, the contractors have assured me that the work will be expedited during the next three months.

Several contracts on the Education Building were completed. They amounted to $154,504.79.

HISTORIC RESERVATIONS

The Department has complied with the requests for new construction, alterations and repairs for buildings located upon the various State reservations. The first step in the development of Saratoga Springs by the Conservation Commission was taken in the preparation of plans for a water bottling and shipping plant. Other Departmental work covered various projects including the completion of the Governor Clinton House at Poughkeepsie, the restoration of the Schuyler Mansion at Albany, the construction of a rest room at Watkins Glen, driving a new well at the Crown Point Reservation and the construction of a caretaker's cottage at the General Herkimer Home near Little Falls.

The total amount of contracts in force among the historic reservations was $43,220.71, completed, $31,009.69, leaving contracts in force at the close of the fiscal year amounting to $12,211.02.

SUMMARY OF DETAIL WORK

The detailed work in the construction and the engineering divisions is summarized as follows:

	Construction				Engineering	
	Specifications	Sketches	Working drawings	Detail drawings	Specifications	Drawings
State hospitals	11	61	33	66	20	55
Charitable institutions	10	7	31	97	19	41
Prisons	3	6	17	3	8	9
Educational, general, regulative	15	32	33	38	27	46
Armories	9	1	9	23	11	22
Public buildings	31	17	40	64	14	8
Total	80	124	153	291	99	181

The above survey of institutional and other State department work has involved a large amount of study and investigation. It has been my aim and desire to give to the architectural and building construction service of the State the best possible effort and to demand to the letter faithful performance of all contract obligations and to require for the State, in its dealings with contractors, the same exacting service imposed by an individual in work of this character. Every effort has been made to prosecute the

contract development with speed, commensurate with good work, but many unusual and unforeseen conditions have arisen, due to the market and other conditions, unprecedented, I believe, in the history of the Department.

STUDY OF INSTITUTIONAL PLANTS

The Department work, in preparing plans and specifications for construction work authorized by the appropriations of the prior year, was completed before the present appropriation bill imposed its work upon the Department. The period permitted a study of conditions of the various institutional plants throughout the State and the assembling of statistics as to design and future development, thereby making it possible to standardize new equipment and to select more appropriate sizes for power house equipment in future designs than has been done in the past.

It has been found that the cost of preparing these statistics has been more than met by a reduction in the cost of pieces of apparatus which have been purchased since, the deductions being due to the statistics obtained.

Statistics were secured of various types of laundry equipment now installed in State institutions and it was surprising to note the wide variation in amount and type of equipment performing approximately the same work. It would appear that no standards have been adopted in the purchase of equipment. It is also noted that at some institutions the large amount of equipment installed results in its use for only a short period on various days.

Tests and studies have been made on underground heating mains at various institutions because of the large appropriation annually for this class of institution work. The tests were conducted with the co-operation of the Cornell University testing laboratory and various manufacturers and contractors now supplying material for the State. The fact developed, as these tests progressed, that certain material already installed on State work would not meet the requirements of the specifications and in two instances large installations of this work have been condemned and they are now being replaced by contractors. This emphasizes the fact that close supervision should be made of all material supplied the State because the keen competition leads manufacturers'

representatives to recommend to contractors materials which, upon test, will not meet the requirements of the specifications. These recommendations are made in many instances by manufacturers who do not know definitely the merit of their own product.

THE SPECIFICATION SERVICE

The specification division has been able to keep abreast with the preparation of drawings and to about complete the work of standardization begun during the past fiscal year.

There were 179 specifications written for work advertised for bids, of which number 80 represented the construction work and 99 the engineering work, heating, sanitary and electric work and equipment of the different projects.

In addition to the number of specifications prepared, the readvertising of work exceeding the legislative appropriations, due to the unprecedented increased cost of building material, made it necessary to revise and write addenda to specifications, entailing an extra burden on this as well as all other branches of the Department.

I might add that in the matter of the standard specifications, new methods which have been tried out are being investigated by the standardization committee and the specification and construction divisions of the Department, and where their use will be an evident advantage to the State they are being adopted and the specifications revised accordingly. In fact, the increased cost of building material and the impossibility of obtaining sufficient quantities of certain materials due to war conditions, namely, the scarcity of zinc, asphalt and tile and the increased demand for copper, imposes a serious handicap on building which makes it imperative that new material be tried out.

THE INSPECTION SERVICE

The inspection service has been carried out faithfully and contractors have been required to live up to the specifications. The inspection force, under normal building conditions, is not sufficient to give the State good service. The close of the fiscal year showed $4,038,798.24 in contracts in force in various parts of the State while the inspection department payroll at that time carried

17 persons with a combined annual payroll of $32,200, including a chief inspector, clerk, two engineers, two assistant engineers and superintendents of construction. The inspection charge on this amount of work is about .008.

I believe that more efficiency in the inspection service would be obtained if a permanent inspector or superintendent of construction was placed on all contract work where the appropriation exceeded a certain figure, the inspector or superintendent of construction to be paid out of the appropriation, and appointed by and responsible only to the State Architect. I assign permanent inspectors to the larger class of building undertakings, but I believe this scope of Departmental work should be enlarged, thereby doing away with the itinerary form of inspection now necessarily in force in a large measure.

All appropriations for building construction above a certain amount should authorize the employment by the State Architect of a resident inspector or superintendent of construction, responsible only to the head of this Department.

SECURING BUDGET INFORMATION

The Department provided all information desired as to the needs of construction and repairs among the State hospitals, charitable institutions, prisons, armories, educational institutions, normal schools, regulative and general institutions and historical parks for the tentative appropriation act submitted by the Governor to the Legislature in 1916. This information covered all requests for appropriations by the Legislature and the information and data secured was also available for the financial committees of the Senate and the Assembly during the legislative session. The survey included an analysis of institutional needs as to serviceability of existing buildings and estimates of cost of construction where appropriation request had been made for a specific building or improvement. The survey was conducted by myself, assisted by the departmental heads, engineers and construction superintendents and the information secured compiled and filed for the future use of the Department.

It is my intention to secure all the information possible upon

budget requests submitted each year. The data secured is of much value to the Department and to those who pass upon the State appropriations.

DEVELOPMENT OF HISTORIC PLACES

The preservation, restoration and repair of State historical reservations have required careful study and investigation. With increased interest on the part of the visiting public, the greatest accuracy and research is necessary in the preparation for restoration. Repairs and changes in the structures made before the State acquires the various properties, together with the effect of time, have in many cases obliterated the original conditions. Where entire restoration has been necessary I have undertaken to reproduce the best example of similar work that is consistent with local custom. Where restoration is not required I have undertaken to preserve the remains of the original with the addition of as little modern material as possible. The interest by the public in the results produced justify the work done by this Department.

The Crown Point Reservation

The most important undertaking at the Crown Point Reservation has been continuing the work on the old French fort, St. Frederic. As stated in my last report, this unfrequented part of the reservation offered the greatest opportunity for developing a new interest in the Crown Point forts. The uncovering of the south fort wall and the stairs to the citadel bastion showed conclusively what could be done and a program of procedure was decided upon.

The French, in their early exploration, realized the value of this commanding point on the route from the St. Lawrence to the Hudson. A small fortified outpost was established in 1731. Although this entire valley was, by treaty, neutral ground, this simple fort remained undisturbed until 1749 when a stone fortress of greater strength was built. It has been stated that it was one of the strongest fortifications in America. It is, therefore, interesting to actually see what was considered a stronghold and, incidentally, to compare it with the English fort built thirteen years later by General Jeffrey Amherst on the higher land nearby.

For over one hundred years the French fort has been only a mass of ruined stone work with a vague outline. Although the point has generally been called Fort St. Frederic, the old fort was so forgotten that many confused the English fort with the French one. In fact, there was so little discernible that considerable imagination was necessary to picture the low mounds as a fortress which had been called the back door of New York for thirty years. The few official maps of the fortification rendered but little assistance.

In preparing for this season's work no definite knowledge was available as to existing conditions and for that reason great caution was necessary in order not to disturb or destroy the badly disintegrated walls and ruins. The work has been carefully planned and nothing has been destroyed. The only modern work has consisted in relaying and resetting the more dilapidated masonry to protect it until further preservation can be undertaken. The repaired work will be thoroughly blended with the old within two years and will not be discernible. This fact has been demonstrated by the work done on the old barracks in the English fort.

It is interesting to note that the French fort was not of haphazard outline, as might have been imagined by former visitors. Every line and angle, except the north bastion, which had to be adapted to the rocky point, is carefully executed in accordance with the science of fortifications as prescribed by the famous fort builder, Vauban. Every angle in the walls is carefully started and marked with a dressed stone which determines the outline and indicates that Fort St. Frederic is a model of construction well worth preserving. It is an object lesson to coming generations of the care and skill exercised by the French pioneers in a wild country.

As above stated, with no restoration within the true meaning of the word, the outline of the fort, with its component parts, is plainly visible. The exterior walls are cleared of rubbish and show the original stonework as laid in 1748. Along the lake shore the rampart, with its curiously formed north and regularly formed east bastion, is visible to all travelers on the lake. The south and west ramparts are similarly cleared as well as a section

of the north. As far as funds are available the interior south wall has been exposed, and in so doing four large ovens have been unearthed. The size of each oval oven is approximately 11½ feet by 13½ feet, inside diameter, the four occupying a space of approximately 53 feet by 17 feet. From these dimensions some idea of the size of the garrison can be estimated. The base and floors of the ovens are intact and also most of the blackened side walls up to or above the point where the brick arches started. No arch was found complete, and as restoration is not considered advisable the masonry is left as a ruin. The permanent preserving of these ovens will have to be undertaken in the near future as the old brick will not stand the severe weather conditions. Further excavation and repairs were made to the stairway to the citadel. The entrance was constructed in a natural fissure in the rock and is about 7 feet wide and is exposed for 45 feet in length in which it rises 15 feet. It has been definitely determined that this leads from a point near the lake shore into the strongest part of the fort. At some future date further exploration and repair should be made. A new flag pole has been erected at the head of the stairs on the highest point of the rampart.

Little has been done to the underground entrance, the main dry moat and the citadel proper. Further work on this was not contemplated this year on account of the expense involved. A great mass of stone must be removed with considerable care to expose and preserve this part of the fort. I believe that in the near future it will be desirable and necessary to continue the work on Fort St. Frederic. The work thus far completed stimulates interest.

An examination was made of the ruins of the two barracks at the English fort which were preserved by the cement gun process four years ago. No weakness was discovered and no further work was required. The old fort well in the northeast bastion is cleared out and a new curb built around it. An examination of the southeast bastion showed that the stone face wall was rapidly falling out and that immediate repairs were necessary. The relaying of this wall has been started, but it is evident that in the near future it will be necessary to continue these repairs around the entire rampart. This will remove the

foliage and some of the wilderness of the ruin, but will at the same time remove the cause of the disintegration and will show the walls in their true condition. Plans and specifications for a stone pump house and plumbing equipment have been prepared so that water from the new well will be available for use at the comfort station. The contract has been let.

The Schuyler Mansion

The restoration of the Schuyler Mansion at Albany has progressed rapidly this year and the building is nearing completion. As I previously reported, the building had been made structurally strong and the interior arrangements definitely settled so that this year's work has consisted mainly of the finishing effects. Contracts have been let.

The yellow paint has been removed from the exterior, showing the old colonial brick work. A rear porch has been constructed across the west side of the house, supported by brick piers, with brick paved floor to reproduce the original porch as shown on the map of 1794. Areas with gratings and window guards have been built about the basement windows to conform with what was found during the excavation. New sashes have been installed throughout and solid shutters placed upon the first story windows. As a result of this work the building has an appearance of age and dignity which adds much to the interest. The first story has a new floor of wide stained boards, while the old floor in the second story has been repainted. The mantel in the lower southeast room has been restored to its original condition of 1768, as determined by the outlines on the old woodwork. In the lower northeast room, the old outlines were so confused with modern work that a typical colonial mantel was designed to satisfy the general conditions, but with no attempt at restoration. In the lower northwest room the old mantel had been entirely removed and there was nothing to guide or suggest restoration. A colonial mantel of recognized merit was copied and adapted to this room and the result is very satisfactory. The modern tops of three other mantels were removed and the original tops were found intact. In opening up the fireplace in the upper southwest chamber it was found that the jambs were lined with twenty eight

old Dutch Biblical tile. This discovery added much to appearance and interest of this chamber which is understood to have been General Schuyler's bedroom.

All of the old paint on the woodwork was removed and the woodwork repainted according to the color scheme adopted by the trustees. The tone is white, except in the lower southeast room, which is gray. The main stair hand-rail was stained mahogany to agree with the oldest color found upon it. Care was taken to preserve the tomahawk mark on it near the lower newel, the authenticity of which is well established by history. Wall paper, duplicates of old blocks, has been placed upon the walls of five rooms. The Eldorado scenery paper in the upper hall is undoubtedly the most attractive and imposing part of the decoration. The lower northeast room has its walls canvased and paneled with moulding which adds to the richness of the detail of mantel and cornice. The wall surfaces not papered have been painted. The old hardware has been repaired as far as possible and duplicates of old hardware used in other places. Leaded headlights have been installed in the archway between the lower halls and the front door. New tile hearths have been laid in fireplaces in order to reproduce the original effects as indicated by the few tiles found in the fire places. The building has been wired for electricity and the old gas piping removed. Lighting fixtures have not been installed as they will be purchased in connection with the furnishings.

Only a small amount of landscape work has been undertaken. The restored building will require extensive changes in the present disposition of trees, bushes and approaches to give it the proper setting.

The results thus far obtained are satisfactory and justify the unusual amount of work required of this Department for the proper restoration of the mansion.

Sir William Johnson's Mansion

A new caretaker's cottage has been started at Sir William Johnson's Mansion, Johnstown. The contract was let in the spring and it is expected that it will be occupied early in the coming fiscal year. This will remove from the mansion t[1]

present living quarters and will allow the removal of the modern wing and the starting of other restoration as soon as funds are available. Arrangements are made in the basement of the new cottage for the mansion heating plant, and as soon as the conduit is constructed all fire will be removed from the old building. This is in accordance with my policy to reduce the fire hazard as far as possible in these historic structures. The sewer system in connection with the cottage is installed with ample provision for the future.

Other Reservations

Investigation and studies have been made at the Governor Clinton house, Poughkeepsie, in view of doing as much work as the funds available will allow. Although a program of restoration has been established, there are many difficulties, due to the use of the building as living quarters for the caretaker and as a museum and a meeting place of patriotic bodies. In order to disturb these arrangements as little as possible and at the same time to make an economical use of the reduced appropriation, the program had to be revised. This has been done and plans and specifications are being prepared for the restoration.

Sketches have been made for a caretaker's cottage at the General Herkimer home, near Little Falls, but the work will be delayed upon finished plans until next spring in order that the location and final arrangements be further considered.

Examination has been made of the interior walls at the Saratoga Battle monument in view of replastering. Specifications are shortly to be prepared for this work.

I again wish to express my thanks for the hearty co-operation and assistance by State officials, departments and institutional boards in the work of the State under my supervision.

Very truly yours,

L. F. PILCHER,

State Architect.

DEPARTMENT OF ARCHITECTURE,

Albany, N. Y. February 23, 1917.

Statistical Report of the Department of Architecture for the Fiscal Year ending June 30, 1916

Financial Statement for the Fiscal Year Ending June 30, 1916

Office Maintenance

Payrolls from Oct. 1, 1915, to June 30, 1916:	
October, 1915	$13,398 16
November, 1915	13,065 63
December, 1915	13,105 46
January, 1916	12,876 91
February, 1916	12,963 63
March, 1916	12,891 50
April, 1916	12,873 16
May, 1916	12,731 50
June, 1916	12,455 95
Total	$116,361 90
Appropriated by chap. 725, 1915	$145,505 00
Appropriated by chap. 529, 1914, balance	9,750 38
Appropriated by chap. 725, 1915, New York office.	2,750 00
	$158,005 38
Payrolls from Oct. 1, 1915, to June 30, 1916	116,361 90
Balance June 30, 1916	$41,643 48

Office Supplies and Expenses

From October 1, 1915, to June 30, 1916:	
October, 1915	$426 18
November, 1915	379 71
December, 1915	949 02
January, 1916	776 68
February, 1916	792 82
March, 1916	1,185 41

April, 1916	$981 17
May, 1916	1,393 62
June, 1916	1,767 86
Total	$8,652 47
Appropriated by chap. 725, 1915	$10,000 00
Appropriated by chap. 529, 1914, balance	166 89
	$10,166 89
Paid from Oct. 1, 1915, to June 30, 1916	8,652 47
Balance June 30, 1916	$1,514 42

TRAVELING EXPENSES

October 1, 1915, to June 30, 1916:

October, 1915	$954 65
November, 1915	1,259 08
December, 1915	820 23
January, 1916	791 20
February, 1916	615 72
March, 1916	964 06
April, 1916	932 53
May, 1916	1,057 31
June, 1916	1,126 33
Total	$8,521 11
Appropriated by chap. 725, 1915	$10,000 00
Appropriated by chap. 529, 1914, balance	908 01
	$10,908 01
Paid from Oct. 1, 1915, to June 30, 1916	8,521 11
Balance June 30, 1916	$2,386 90

CONTINGENT

For a contingent fund for extraordinary expenses and services incurred in the preparation of plans and specifications and supervision of work, or in obtaining data in connection with various State institutions, including traveling and office expenses:

October, 1915	$853 88
November, 1915	669 09
December, 1915	114 21
January, 1916	437 65
February, 1916	.....
March, 1916	77 40
April, 1916	147 02
Total	$2,299 25
Appropriated by chap. 726, 1915, balance	$1,328 71
Appropriated by chap. 529, 1914, balance	970 54
	$2,299 25
Paid from Oct. 1, 1915, to June 30, 1916	2,299 25

NEW YORK CITY OFFICE

Office maintenance:

October, 1915	$209 78
November, 1915	15 15
December, 1915	289 38
January, 1916	110 80
February, 1916	104 33
March, 1916	121 16
April, 1916	233 37
May, 1916	142 68
June, 1916	378 86
Total	$1,605 51

Appropriated by chap. 725, 1915	$2,500 00
Appropriated by chap. 529, 1914, balance	835 62
Appropriated by chap. 530, 1914, balance	4 41
	$3,340 03
Paid from Oct. 1, 1915, to June 30, 1916	1,605 51
Balance June 30, 1916	$1,734 52

RECAPITULATION

Office maintenance	$116,361 38
Office supplies and expenses	8,652 47
Traveling expenses	8,521 11
Contingent	2,299 25
New York city office, maintenance	1,605 51
Total	$137,439 72

Statement of Contracts in Force, Contracts Completed, and Certificates Issued On Contracts During the Fiscal Year October 1, 1915, to June 30, 1916, Inclusive.

State Hospitals

Binghamton State Hospital.

Building	Work	Contractor	Contract	Certificates
*Chronic patients...	Construction.....	Durolithic Co.....	$159,700 00	
		Addition	2,968 22	
			162,668 22	
		Deduction	2,307 00	
			160,361 22	$66,432 60
*Chronic patients...	Heating.....	R. T. Ford Co.....	19,737 00	
		Deduction	115 00	
			19,622 00	10,450 75
*Chronic patients...	Plumbing and drainage..	Peter Keeler Building Co.....	13,122 00	
		Addition	82 50	
			13,204 50	6,903 78
*Chronic patients...	Hardware.....	Lockwood Co.....	1,538 00	
		Addition	36 50	
			1,574 50	
		Deduction	7 00	
			1,567 50	
*Chronic patients...	Electric.....	N. Y. Construction Co.	6,315 00	
		Addition	558 00	
			6,873 00	
		Deduction	8 84	
			6,864 16	4,820 35
*Power house.....	Construction.....	James C. Nolan.....	8,780 00	
*Power house.....	New stack.....	Flood & Van Wirt Co..	19,500 00	
		Addition	272 80	
			19,772 80	
		Deduction	269 29	
			19,503 51	7,712 00
*Power house.....	Heating.....	Gaylord Engineering Co.....	17,893 00	
Electric light system	Reconstruction.....	Lord Electric Co.....	31,870 00	
		Deduction	80 00	
			31,790 00	8,984 50

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
Electric light system	Reconstruction steam and exhaust piping	Edward Joy Co.	$7,900 00	
		Deduction	75 00	
			7,825 00	$3,156 37

Buffalo State Hospital.

Building	Work	Contractor	Contract	Certificates
*Boiler house	Additional capacity heating	Johnston Heating Co.	$11,363 00	$5,057 50
*Sewer	Renewing lines	Kelly & Wheeler, assigned to Lackawanna National Bank	6,295 00	5,072 39
*Water softening plant	Equipment	International Filter Co.	5,969 00	
		Deduction	18 00	
			5,951 00	871 25
Water softening plant	Insurance	Rose & Kiernan	18 00	18 00

Central Islip State Hospital.

Building	Work	Contractor	Contract	Certificates
*Water supply	Installing wells	A. J. Connolly	$4,800 00	
Power plant	Running steam heating lines	W. B. Armstrong Co.	8,690 00	
		Addition	227 13	
			8,917 13	$8,917 13
Power plant	Additional electric equipment	T. Frederick Jackson, Inc.	4,491 00	
		Deduction	11 26	
			4,479 74	2,324 74
Power plant	Insurance	Rose & Kiernan	5 39	5 39
Power plant	Insurance	Rose & Kiernan	5 87	5 87

Gowanda State Hospital.

Building	Work	Contractor	Contract	Certificates
Boiler house	Underground connections.	Ralph Standing	$3,297 59	662 59

Hudson River State Hospital.

Building	Work	Contractor	Contract	Certificates
Water supply	Improvements, extension	A. T. Essery	$29,385 00	
		Addition	2,907 00	
			32,292 00	
		Deduction	121 44	
			32,170 56	$1,614 60

* An asterisk indicates that contract was in force June 30, 1916.

Brooklyn State Hospital.

Building	Work	Contractor	Contract	Certificates
*Reception hospital.	Construction.....	P. F. Kenny Co.....	$138,800 00	
*Reception hospital.	Electric.....	United Electric Construction Co.....	3,645 00	
*Reception hospital.	Plumbing and drainage...	John J. Kenney Co., Inc.....	17,232 00	
*Reception hospital.	Heating.....	Edward Joy Co.....	16,485 00	
*Chronic hospital...	Construction.....	W. F. Plass & Bro., Inc.....	172,900 00	
*Chronic hospital...	Heating.....	Johnston Heating Co ..	34,931 00	
*Chronic hospital...	Plumbing and drainage...	Peter Keeler Bldg. Co..	19,422 00	
*Chronic hospital...	Electric.....	United Electric Construction Co.....	17,490 00	
*Power house.....	Boilers, equipment, etc...	A. Winternitz.....	66,000 00	
		Addition	77 68	
			66,077 68	
		Deduction	1,074 97	
			65,002 71	$5,079 60
Power house.....	Insurance.....	Rose & Kiernan.....	65 56	65 56
*Power house.....	Electric, etc.....	Lewis H. Woods.....	8,890 00	471 75
Main building.....	Rebuilding wall.....	Ohlhausen & Veit.....	3,164 00	3,164 00
Power house.....	Construction.....	Peter Keeler Bldg. Co..	45,833 00	
		Addition	406 08	
			46,239 08	
		Deduction	350 00	
			45,889 08	8,937 10
Power house.....	Plumbing.....	Peter Keeler Bldg. Co..	3,150 00	595 75

Kings Park State Hospital.

Building	Work	Contractor	Contract	Certificates
*Cottages 1, 3 and 4.	Construction.....	Maurice Mead.....	$72,000 00	
		Addition	2,865 30	
			74,865 30	
		Deduction	763 84	
			74,101 46	$36,116 50
*Chronic patients...	Plumbing and drainage...	A. S. Gaynor Co., assigned to W. B. Armstrong Co.....	7,381 00	
		Addition	861 00	
			8,242 00	2,337 50
*Cottages 1, 3 and 4.	Heating.....	W. B. Armstrong Co...	5,531 00	680 00
*Cottages 1, 3 and 4.	Electric.....	Isidor Fajans.....	1,179 00	318 75
*Cottages 1, 3 and 4.	Hardware.....	The Lockwood Co.....	419 00	
Heating plant.....	Extension.....	Wall Engineering and Construction Co.....	14,440 00	
		Deduction	100 00	
			14,340 00	4,340 00

*An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
*.....	Consulting Engineer....	C. G. Armstrong & Son.	Percentage	$813 20
*Water supply.....	Installing wells.....	A. J. Connolly.....	$3,995 00	2,821 87

Manhattan State Hospital.

Building	Work	Contractor	Contract	Certificates
*Power plant.....	Heating equipment.....	W. B. Armstrong Co...	$41,200 00	
*Fire alarm system.	Construction.....	C. & M. Construction Co.....	9,564 79	
		Deduction	242 80	
			9,321 99	
*Fire alarm system..	Insurance.....	Rose & Kiernan.....	123 30	
*200 patient building.....	Electric.....	Jandous Electrical Equipment Co.....	5,825 00	
		Addition	62 00	
			5,887 00	$1,133 90
*200 patient building.....	Hardware.....	Lockwood Co.....	1,120 00	
		Addition	26 00	
			1,146 00	
*200 patient building.....	Heating.....	Walker & Chambers...	16,200 00	10,115 00
*200 patient building.....	Construction.....	Emerson Bldg. Co.....	141,000 00	
		Addition	972 10	
			141,972 10	
		Deduction	2,510 00	
			139,462 10	68,293 68
*200 patient building.....	Plumbing and drainage..	James Harley Plumbing Co.....	10,074 00	
		Addition	323 18	
			10,397 18	4,243 03
*150 patient building.....	Construction.....	Emerson Bldg. Co.....	118,500 00	
		Addition	307 00	
			118,807 00	
		Deduction	1,500 00	
			117,307 00	60,513 63
*150 patient building.....	Plumbing and drainage..	James Harley Plumbing Co.....	11,879 00	
		Addition	101 00	
			11,980 00	6,745 60
*150 patient building.....	Hardware.....	Lockwood Co.....	1,290 00	
		Addition	47 00	
			1,337 00	

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
*150 patient building	Heating	Walker & Chambers	$11,425 00	$8,547 60
*150 patient building	Electric	Lewis H. Woods	5,043 00	
		Deduction	7 01	
			5,035 99	1,610 75
150 patient building.	Insurance	Rose & Kiernan	7 01	7 01
*Power plant	Plumbing and drainage	R. T. Ford Co	2,793 00	
		Addition	65 00	
			2,858 00	
*Power plant addition	Construction	Harby, Abrons & Melius	62,835 00	
		Addition	156 98	
			62,991 98	
		Deduction	291 40	
			62,700 58	30,651 01
*Power plant	Electric	Jandous Electric Equipment Co	2,250 00	
*Power plant	Heating	Walker & Chambers	89,720 00	
		Deduction	483 00	
			89,237 00	

Middletown State Hospital.

Building	Work	Contractor	Contract	Certificates
Power house	Construction	Arthur Casey	**$4,378 00	
*Power house	Construction	Peter Keeler Bldg. Co.	6,822 00	
		Addition	244 01	
			7,066 01	$5,488 27
*Power house	Heating	Gillis & Geoghegan	9,985 00	
*Power house	Electric	Buffalo Electric Co	3,972 00	
*Power house	Heating	R. T. Ford Co	74,393 00	
		Addition	117 00	
			74,510 00	53,448 00
*Power house	Plumbing	R. T. Ford Co	2,087 00	
		Addition	75 00	
			2,162 00	1,394 00

Rochester State Hospital.

Building	Work	Contractor	Contract	Certificates
North building	Sanitary	R. T. Ford Co	$7,997 00	$2,803 50
North building, administration building	Sanitary	R. T. Ford Co	1,169 00	567 20

* An asterisk indicates that contract was in force June 30, 1916.
** Contract refused — readvertised.

St. Lawrence State Hospital.

Building	Work	Contractor	Contract	Certificates
Water softening plant	Construction	L. M. Booth Co.	$6,580 00	$4,327 50

CHARITABLE INSTITUTIONS

Western House of Refuge for Women, Albion, N. Y.

Building	Work	Contractor	Contract	Certificates
*Sewers	Alterations to connect with village system	E. Franklin Clarke	$2,040 00	

New York State Soldiers' and Sailors' Home, Bath, N.Y.

Building	Work	Contractor	Contract	Certificates
Barn	Construction	Holleran Bros	$7,429 00	
		Deduction	20 00	
			7,409 00	$4,544 50
Electric plant alteration	Electric, outside	N. Y. Construction Co.	6,533 00	3,277 50
Electric plant alterations	Construction	Wooley-James Electric Company, Inc.	3,381 25	
		Addition	75 00	
			3,456 25	3,456 25
Main building	Electric elevators	Warsaw Elevator Co.	4,169 00	
		Addition	20 00	
			4,189 00	716 17

State School for the Blind, Batavia, N.Y.

Building	Work	Contractor	Contract	Certificates
*Hospital addition, alterations	Construction	A. Friederich & Sons Co.	$12,299 00	
		Deduction	175 00	
			12,124 00	$9,766 07
*Hospital addition, alterations	Electric	Wheeler-Green Electric Co.	417 00	
*Hospital addition, alterations	Plumbing, drainage	Burns Bros	3,221 00	
		Addition	24 50	
			3,245 50	2,613 33
Hospital addition, alterations	Heating, steam piping	George H. Chick	1,296 00	1,296 00
Hospital addition, alterations	Hardware	Lockwood Company	290 00	
		Addition	8 83	
			298 83	298 83

* An asterisk indicates that contract was in force June 30, 1916.

State Reformatory for Women, Bedford Hills, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Underground feeders and ground lighting.....	Commercial Construction Co.....	$2,771 00	
		Addition	182 00	
			2,953 00	$1,850 00
*Cottages farm group.....	Remodeling 188 electric door openers.....	Lockwood Co.....	423 00	
Electric power plant	Engines, generators, feeder cables, wiring, etc.....	T. Frederick Jackson, Inc.....	10,283 00	
		Addition	648 50	
			10,931 50	
		Deduction	355 00	
			10,576 50	2,214 63
*Boiler house.....	Piping, conduit.....	Gillis & Geoghegan....	37,900 00	
		Addition	1,352 06	
			39,252 06	
		Deduction	427 60	
			38,824 46	1,741 70
Boiler house.....	Construction.....	D. F. Dakin Co.....	38,950.00	
		Addition	1,885 76	
			40,835 76	
		Deduction	220 00	
			40,615 76	11,779 51
*Sewage disposal plant, additions and alterations...	Construction.....	Briante Construction Co., Inc.....	7,993 00	
		Addition	189 00	
			38,182 00	
		Deduction	7,788 75	
			30,393 25	9,858 30
Boiler house.....	Plumbing.....	P. Keeler Building Co..	2,719 00	
		Addition	76 68	
			2,795 68	584 25
Filtration plant.....	Open well.....	Suburban Engineering Co.....	5,845 00	5,845 00
Cottages 14, 15 and 16.....	Electric.....	Ed. A. Keeler.....	3,343 66	
		Addition	305 50	
			3,649 16	
		Deduction	9 60	
			3,639 56	970 56
Cottage No. 13.....	Electric.....	Edward A. Keeler.....	810 61	
		Addition	101 77	
			912 38	254 48

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
Cottages 9, 10 and 11	Electric	Edward A. Keeler	$2,949 19	
		Addition	305 48	
			3,254 67	$1,490 92
Boiler house farm group	Equipment	Gillis & Geoghegan	2,968 00	707 00
Boiler house	Insurance	Rose & Kiernan	7 80	7 80
*Boiler house	Insurance	Rose & Kiernan	19 80	

State Training School for Girls, Hudson, N. Y.

Building	Work	Contractor	Contract	Certificates
*Hospital	Construction	Simon Russek, Inc.	$54,935 00	
		Addition	304 50	
			55,239 50	
		Deduction	1,615 66	
			53,623 84	$31,230 70
*Hospital	Plumbing, drainage	C. F. Mentzinger's Son.	5,478 00	
		Addition	46 00	
			5,524 00	
		Deduction	2 50	
			5,521 50	4,125 05
*Contagious hospital	Heating, outside	J. J. Horan & Co.	4,912 00	
		Deduction	1,001 00	
			3,911 00	
*Hospital	Electric elevator	Houser Elevator Co.	2,430 00	1,848 75
*Hospital	Hardware	Lockwood Co.	1,836 00	
		Addition	74 00	
			1,910 00	
*Contagious hospital	Electric	New York Construction Co.	1,409 00	
		Deduction	17 50	
			1,391 50	
*Hospital	Heating	Walker & Chambers	3,680 00	
		Addition	73 00	
			3,753 00	1,717 00
*Hospital	Electric	Peet & Powers	2,900 00	
		Addition	39 00	
			2,939 00	
		Deduction	12 00	
			2,927 00	1,564 00
*Contagious hospital	Heating inside	Walker & Chambers	865 00	515 10
*Chapel	Electric	N. Y. Construction Co.	453 00	
*	Electric conduits, outside connections	Isidor Fajans	4,782 00	
*Ice house	Razing	M. J. Jackson & Son Co.	300 00	
Hospital	Soap stone slab	Alberine Stone Co.	16 50	16 50

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificate
Laundry	Equipment	Troy Laundry Machinery Co	$2,700 00	$2,700 00
Laundry enlargem't	Construction	Catskill Supply Co	2 285 00	1 022 75
Laundry enlargem't	Heating	W. B. Armstrong Co	1 444 00	1,444 00
*Hospital	Outside plumbing, drainage	Burns Bros	1,269 00	
		Addition	45 00	
			1,314 00	992 42
Contagious hospital.	Construction	Weaver Bldg. Co., Inc.	6 625 00	
		Deduction	300 00	
			6,325 00	3 303 35
Contagious hospital.	Hardware	Lockwood Co	258 00	258 00
Contagious hospital.	Plumbing	C. F. Mentzinger's Son.	2,974 00	1,420 20
*Contagious hospital	Electric	Murphy & Walsh	231 00	
Cottages 11, 12	Construction	Nial Bros. Construction Co	49,417 00	
		Addition	4,306 79	
			53,723 79	
		Deduction	94 32	
			53,629 47	1,220 00
Retaining wall	Wall, pipes and grading	L. E. Ragan	1,090 00	
		Addition	273 00	
			1 363 00	443 30
Hospital	Insurance	Rose & Kiernan	115 66	115 66

State Agricultural and Industrial School, Industry, N. Y.

Building	Work	Contractor	Contract	Certificates
*Hospital alteration, addition	Alteration	John H. Waight	$5,900 00	
		Addition	541 50	
			6,441 50	$3,119 50
*Hospital alteration, addition	Heating	D. A. Alexander Co	978 00	
		Addition	96 00	
			1,074 00	732 93
*Hospital alteration, addition	Plumbing, drainage	D. A. Alexander Co	1,120 00	852 38
Hospital alteration, addition	Electric	Wheeler-Green Electric Co	255 00	
		Addition	27 00	
			282 00	282 00

Letchworth Village, Thiells, N. Y.

Building	Work	Contractor	Contract	Certificates
*Cottages A, B, C, D	Heating	Blake & Williams	$17,587 00	
		Addition	104 00	
			17,691 00	$4,135 25

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificate
*Cottages A, B, C, D	Electric service connections	Isidor Fajans	$5,625 00	
		Addition	435 60	
			6,061 60	$4,545 38
*Central heating plant	Construction	Blake & Williams	44,988 00	
		Addition	260 00	
			45,248 00	
		Deduction	246 50	
			45,001 50	13,317 80
*Laundry	Plumbing, drainage	Peter Keeler Bldg. Co.	2,415 00	
		Addition	107 50	
			2,522 50	892 50
*Laundry	Finishing hardware	Sargent & Co	98 69	
*Laundry	Heating	J. J. Horan & Co	4 482 00	
*Laundry	Equipment	Troy Laundry Machinery Co., Ltd	3,278 00	
*Laundry	Construction	Harriman Industrial Corporation	22,315 00	
		Addition	232 00	
			22,547 00	
		Deduction	100 00	
			22,447 00	5,263 20
*Service building	Electric	W. H. Straut Co	517 00	
*Service building	Plumbing, drainage, refrigeration	John J. Kenny Co	7,433 00	
*Service building	Heating	John J. Horan Co	7,482 00	
		Addition	34 00	
			7,516 00	
*Service building	Construction	H. H. Vought & Co	36,973 00	
		Deduction	232 55	
			36,740 45	7,301 50
*Service building	Finishing hardware	Sargent & Co	309 30	
*Attendant's home	Construction	H. H. Vought & Co	35,619 00	
		Deduction	650 00	
			34,969 00	8,178 91
*Attendant's home	Heating	J. J. Horan & Co	6,134 00	2,465 00
*Attendant's home	Plumbing, drainage	John J. Kenny Co	5,500 00	884 00
*Attendant's home	Hardware	Sargent & Co	768 54	
*Attendant's home	Electric	W. H. Straut Co	669 00	
*Expert assistants	Consulting engineers, steam power, heating system	Nygren, Tenney & Ohmes	6 per cent	
*Expert assistants	Consulting engineers, heating	Nygren, Tenney & Ohmes	6 per cent	
*Expert assistants	Consulting engineers, heating, cottages A, B, C, D, storehouse, conduit and central station	Werner Nygren	6 per cent	

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
*Two bridges	Construction	Erie R. R. Co.	†$11,000 00	
Power house	Construction	Simon Russek, Inc.	13,610 00	
		Deduction	80 00	
			13,530 00	$5,776 50
*Power house	Plumbing, drainage	Joseph F. Egan	1,485 00	
		Addition	268 29	
			1,753 29	869 29
Power house	Electric	Isidor Fajans	254 00	254 00
Power house	Hardware	Lockwood Co.	59 00	59 00
.....	Underground piping	Blake & Williams	18,290 00	
		Addition	356 00	
			18,646 00	
		Deduction	33 50	
			18,612 50	17,082 50

Eastern New York Reformatory, Napanoch, N. Y.

Building	Work	Contractor	Contract	Certificates
*Hospital	Structural steel, iron and stair work	Montour Steel Co.	$9,461 00	
*Hospital	Steel sashes	Montour Steel Co.	740 00	

State Custodial Asylum for Feeble-Minded Women, Newark, N. Y.

Building	Work	Contractor	Contract	Certificates
*Boiler house	Heating and additional boilers	W. B. Armstrong Co.	$26,945 00	
*Power house	Engine, dynamo	T. Frederick Jackson, Inc.	3,441 00	
*Power house	Construction, addition, alterations	E. J. Forbes & Son	34,294 00	
*Cottage, 92 inmates	Heating	R. T. Ford Co.	6 637 00	$4,454 00
*Cottage, 92 inmates	Electric	Conduit Electric Co.	1,476 00	346 80
*Hospital	Electric	O'Connell Electric Co.	985 00	
		Deduction	2 00	
			983 00	663 00
*Hospital	Construction	Austin W. Summers	40,498 00	
		Addition	41 00	
			40,539 00	
		Deduction	703 60	
			39,835 40	18,246 95
*Cottage, 92 inmates	Construction	O. E. Schuman	43,516 00	
		Addition	50 00	
			43,566 00	
		Deduction	775 00	
			42,791 00	21,976 76
Cottage, 92 inmates	Plumbing	R. T. Ford Co.	4,062 00	4,062 00

* An asterisk indicates that contract was in force June 30, 1916.

† Not to exceed $11,000.00.

Building	Work	Contractor	Contract	Certificates
Cottage, 92 inmates.	Hardware.....	Norwalk Lock Co.....	$534 00	$534 00
Hospital.....	Heating.....	Barr & Creelman Co...	4,391 00	2,266 00
*Hospital.....	Plumbing, drainage.....	Barr & Creelman Co...	4,590 00	
		Addition	10 00	
			4,600 00	2,715 75
*Hospital.....	Hardware.....	Norwalk Lock Co.....	710 00	
		Addition	59 00	
			769 00	769 00
*.....	Outside plumbing.....	P. J. Sullivan Co.....	859 00	
		Addition	42 84	
			901 84	
*Hospital.....	Insurance.....	Rose & Kiernan.....	2 00	

Women's Relief Corps Home, Oxford, N. Y.

Building	Work	Contractor	Contract	Certificates
Power plant.....	Engine, dynamo.....	Beeler Engineering Co.	$1,416 00	
		Deduction	50 00	
			1,366 00	$1,366 00
Hospital, addition..	Construction.....	Hall & Matterson.....	784 60	129 93
Hospital.....	Elevator.....	Otis Elevator Co.....	1,980 00	1,980 00

Rome State Custodial Asylum, Rome, N. Y.

Building	Work	Contractor	Contract	Certificates
*Dormitory building	Construction.....	George Baker Long....	$88,500 00	
		Addition	14,158 82	
			102,618 82	$58,770 44
*Dormitory building	Heating.....	R. T. Ford Co.....	18,767 00	
		Addition	513 00	
			19,280 00	9,664 50
*Dormitory building	Plumbing, drainage.....	R. T. Ford Co.....	9,973 00	
		Addition	937 51	
			10,910 51	4,563 23
*Dormitory building	Electric.....	Langdon & Hughes Electric Co.....	3,663 00	1,551 25

Craig Colony for Epileptics, Sonyea, N. Y.

Building	Work	Contractor	Contract	Certificates
*Power and heating plant.....	Boilers, steam apparatus, piping.....	Gaylord Engineering & Construction Co.....	$20,973 00	
		Addition	49 00	
			21,022 00	
		Deduction	32 80	
			20,989 20	

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
Water supply.....	Construction.....	McWhirk Construction Co., Norwood Engineering Co.....	$18,575 00	
		Addition	1,404 97	
			19,979 97	
		Deduction	245 50	
			19,734 47	$3,139 07
*Power plant.....	Engines, generator, electric work.....	Beeler Engineering Co..	8,030 00	
		Addition	3,023 00	
			11,053 00	
Power plant.....	Insurance.....	Rose & Kiernan.....	32 80	32 80
Laundry.....	Equipment.....	American Laundry Machinery Co.....	6,991 00	
		Addition	†9 68	
			7,000 68	
		Deduction	18 00	
			6,982 68	6,982 68

State Hospital for Crippled and Deformed Children, West Haverstraw, N. Y.

Building	Work	Contractor	Contract	Certificates
*Hospital.....	Construction.....	N. R. Valkenburgh....	$29,770 00	
		Addition	14 30	
			29,784 30	
		Deduction	475 00	
			29,309 30	$15,165 95
*Hospital.....	Plumbing, drainage.....	Joseph F. Egan.....	2,799 00	1,405 90
*Hospital.....	Electric.....	Highlands Electric Co..	595 00	153 00
*Hospital.....	Hardware.....	Lockwood Co.....	410 00	
		Addition	5 50	
			415 50	
*Hospital.....	Heating.....	Teran, Mahaney & Munro, Inc.....	1,695 00	969 72
Two solaria.....	Construction.....	N. R. Valkenburgh....	9,484 00	
		Addition	298 80	
			9,782 80	
		Deduction	325 00	
			9,457 80	2,082 73
Two solaria.....	Plumbing.....	Joseph F. Egan.....	1,340 00	
		Addition	35 00	
			1,375 00	665 45
Two solaria.....	Hardware.....	Reading Hardware Co..	1 08	1 08

* An asterisk indicates that contract was in force June 30, 1916.
† Special order.

State Training School for Boys, Yorktown Heights, N. Y.

Building	Work	Contractor	Contract	Certificates
* Seven cottages....	Construction.....	Central Building Co....	$79,900 00	
		Addition	6,349 36	
			86,249 36	
		Deduction	350 00	
			85,899 36	$38,066 70
* Seven cottages...	Heating.....	R. T. Ford Co.....	12,947 00	4,165 00
* Seven cottages...	Plumbing.....	R. T. Ford Co.....	11,943 00	
		Addition	35 00	
			11,978 00	2,418 25
* Seven cottages....	Electric.....	Mack & Mack.....	2,099 00	
		Deduction	12 80	
			2,086 20	590 75
* Seven cottages....	Hardware.....	Lockwood Co.....	1,365 00	
		Deduction	18 13	
			1,346 87	
*Power house coal pocket.....	Construction.....	Callanan & Prescott...	20,270 00	
		Addition	14,704 00	
			34,974 00	16,337 56
Water supply.....	Construction.....	Frederick N. Lewis....	27,500 00	
		Addition	3,599 60	
			31,099 60	
		Deduction	908 79	
			30,190 81	12,211 59

PRISONS

Great Meadow Prison, Comstock, N. Y.

Building	Work	Contractor	Contract	Certificates
*Cell building, south wing.....	Construction.....	A. Pasquini.....	$277,800 00	
		Addition	2,819 59	
			280,619 59	
		Deduction	1,057 43	
			279,562 16	

Dannemora State Hospital, Dannemora, N. Y.

Building	Work	Contractor	Contract	Certificates
*Northwest wing...	Structural steel and iron work.....	Buffalo Structural Steel Co.....	$3,569 00	
*Northwest wing...	Steel guards.....	Van Dorn Iron Works Co.....	3,047 00	

* An asterisk indicates that contract was in force June 30, 1916.

Matteawan State Hospital, Matteawan, N. Y.

Building	Work	Contractor	Contract	Certificates
Storehouse	Refrigerating equipment	K. Vesterdahl & Co.	$12,450 00	$4,324 00

Sing Sing Prison, Ossining, N. Y.

Building	Work	Contractor	Contract	Certificates
*Power house	Plumbing, drainage	Burns Bros	$2,259 00	
		Deduction	106 55	
			2,152 45	$1,738 25
*Power house	Boilers	Blake & Williams (Henry W. Sykes, W. C. Strange, W. Smith, Trustees)	31,380 00	
		Addition	675 76	
			32,055 76	
		Deduction	55 00	
			32,000 76	
Power house	Steam engines	T. Frederick Jackson, Inc	14,089 00	
		Addition	103 00	
			14,192 00	2,823 25

NORMAL SCHOOLS

Buffalo Normal School, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates
School	Telephones	Johnson-Wahle Electric Co	$5,290 00	
		Addition	282 65	
			5,572 65	$2,264 03
School	Electric fixtures	Edward Schroeder Lamp Works	3,509 05	
		Addition	787 65	
			4,296 70	
		Deduction	97 50	
			4,199 20	1,309 20
School	Steam heating system	J. J. Bresnahan	7,985 00	
		Deduction	64 16	
			7,920 84	7,920 84
School	Repairs to sump pit	Homer R. Fay	16 00	16 00

Geneseo Normal School, Geneseo, N. Y.

Building	Work	Contractor	Contract	Certificates
School	Hot water boiler	Frank H. Falls	$808 00	$808 00

* An asterisk indicates that contract was in force June 30, 1916.

ARMORIES

Troop B Armory, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
Armory	Construction	Keepsdry Construction Co	$111,000 00	
		Addition	10,721 11	
			121,721 11	
		Deduction	65 00	
			121,656 11	$21,295 52
*Armory	Electric	Frost & Sheldon	2,261 00	
		Addition	468 00	
			2,729 00	955 40
Armory	Alterations	M. Kantrowits	894 00	894 00
Armory	Glased partitions	P. Keeler Bldg. Co	442 00	442 00
Armory	Heating	J. J. Horan & Co	5,847 00	
		Addition	76 00	
			5,923 00	
		Deduction	50 00	
			5,873 00	2,473 00
Armory	Heating	James Hunter Heating & Contracting Co	450 00	
		Deduction	8 32	
			441 68	441 68
Armory	Plumbing	T. A. O'Malley	7,375 00	
		Addition	473 15	
			7,848 15	
		Deduction	1,716 15	
			6,132 00	575 55
Armory	Laying gas pipe	Municipal Gas Co	132 25	132 25
Armory	Electric fixtures	Edward Joy Co	857 00	
		Addition	50 50	
			907 50	
		Deduction	98 25	
			809 25	809 25
Armory	Sand for floor	M. J. Regan	500 00	500 00
Armory	Target carriers	Bame & Cardell	219 00	219 00
Armory	Flag pole	George Ferguson	285 00	285 00
Armory	Plumbing	J. D. Walsh's Son	1,583 90	1,583 90
Armory	Plumbing	J. D. Walsh's Son	104 71	104 71

New York State Armory, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Armory	Alterations, electric work.	Alpha Electric Construction Co	$1,483 00	

* An asterisk indicates that contract was in force June 30, 1916.

Troop I Armory, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates
*Armory	Construction	C. H. Everitt	$111,565 00	
		Addition	12,333 07	
			123,898 07	
		Deduction	1,000 00	
			122,898 07	$67,785 23
*Armory	Heating	R. T. Ford Co.	5,497 00	
		Addition	492 00	
			5,989 00	
		Deduction	10 00	
			5,979 00	4,836 50
*Armory	Plumbing, drainage	J. J. Brennahan	8,485 00	
		Addition	760 00	
			9,245 00	
		Deduction	72 40	
			9,172 60	7,399 25
*Armory	Electric	O'Connell Electric Co.	2,800 00	
		Addition	750 50	
			3,550 50	
		Deduction	193 50	
			3,357 00	1,453 50
*Armory	Hardware	Weed & Co.	775 00	

State Armory, Yonkers, N. Y.

Building	Work	Contractor	Contract	Certificates
*Armory	Construction	Kelly Construction Co., Inc.	$74,707 00	$5,816 55
*Armory	Heating	A. B. Barr & Co., Inc.	5,100 00	
		Deduction	17 00	
			5,083 00	
*Armory	Plumbing, drainage	P. F. Kenny Co.	5,800 00	
*Armory	Electric	Isidor Fajans	2,400 00	

EDUCATIONAL

Schoharie State School of Agriculture, Cobleskill, N. Y.

Building	Work	Contractor	Contract	Certificates
School	Construction	C. H. Mitchell Co., assigned to E. H. Titchener	$40,000 00	
		Addition	838 46	
			40,838 46	
		Deduction	50 00	
			40,788 46	$11,791 86

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
School	Hardware	Lockwood Co.	$280 00	
		Addition	39 50	
			319 50	$319 50
School	Heating	J. J. Horan & Co.	2,940 00	
		Addition	20 00	
			2,960 00	2,960 00
School	Plumbing	R. T. Ford Co.	5,637 00	
		Deduction	94 75	
			5,542 25	1,759 75
School	Electric	Fleming & Shannon	2,460 00	
		Deduction	25 00	
			2,435 00	1,284 95

Cornell University, Ithaca, N. Y.

Building	Work	Contractor	Contract	Certificates
*Drill Hall	Construction	Eastern Concrete Steel Co.	$199,750 00	
		Addition	2,218 52	
			201,968 52	
		Deduction	184 40	
			201,784 12	$64,806 60
Drill hall	Consulting engineers	Balcom & Darrow	Percentage	
Drill hall	Consulting engineers	Balcom & Darrow	Supp. Percentage	
Drill hall	Structural steel	Seneca Engineering Co.	$68,500 00	
		Addition	184 40	
			68,684 40	
*Drill hall	Heating work, underground mains	J. W. Danforth Co.	21,927 00	
		Addition	241 00	
			22,168 00	
		Deduction	150 79	
			22,017 21	12,462 45
*Drill hall	Plumbing and drainage	R. T. Ford Co.	12,537 00	
		Addition	264 00	
			12,801 00	
		Deduction	15 00	
			12,786 00	5,269 15
*Drill hall	Electric	Isidor Fajans	9,698 00	3,289 50
Drill hall	Heating	Ed. Joy Co.	17,500 00	
		Addition	123 91	
			17,623 91	8,420 96
*Plant industry buildings	Architectural services	Green & Wicks	Percentage	

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
Clinic and hospital buildings and central heat-plant.	Architectural services....	Green & Wicks.....	Percentage	
Central heating plant.....	Construction.....	J. W. Danforth Co....	$10,321 00	
		Deduction	43 50	
			10,277 50	$10,277 50
Poultry houses.....	Electric work.....	Davis Brown Electric Co.....	598 00	598 00
Stock judging pavilion.....	Painting under side of roof boards.....	Durolithic Co.....	675 00	675 00
Home economics building.....	Heating.....	Forest City Plumbing Co.....	198 00	198 00
Home economics building.....	Plumbing.....	Forest City Plumbing Co.....	290 00	290 00
Tool barn.....	Construction.....	R. D. Green & Son....	5,544 28	4,328 78
Vegetable garden group.....	Heating section D.....	Jameson-McKinney Co.	304 00	
		Addition	62 00	
			366 00	366 00
Poultry plant extension.....	Plumbing, drainage.....	Jameson-McKinney Co.	1,715 00	
		Addition	209 00	
			1,924 00	1 265 25
Six greenhouses....	Construction.....	King Construction Co..	17,965 00	
		Addition	347 60	
			18,312 60	6,667 52
Six greenhouses.....	Plumbing.....	King Construction Co..	264 00	
		Addition	24 90	
			288 90	
		Deduction	51 80	
			237 10	237 10
Six greenhouses.....	Heating.....	W. H. Lutton Co.....	4,500 00	
		Addition	872 00	
			5,372 00	
		Deduction	78 50	
			5,293 50	2,671 25
One greenhouse....	Construction.....	W. H. Lutton Co.....	1,600 00	1,600 00
Greenhouse.....	Electric.....	Williams Electric Co...	294 00	
		Addition	18 65	
			312 65	312 65
Home Economics building.....	Construction.....	G. M. Van Alstyne....	6,300 00	
		Deduction	7 00	
			6,293 00	6 293 00
Home Economics building.....	Electric.....	Williams Electric Co...	135 00	135 00

* An asterisk indicates that contract was in force June 30, 1916.

State School of Agriculture, Delhi, N. Y.

Building	Work	Contractor	Contract	Certificates
*Dairy barn.....	Construction.....	Benedict Beck.....	$17,443 00	$2,629 90
*Dairy barn.....	Plumbing, drainage.....	H. S. Graham & Sons..	2,885 00	501 50
*Dairy barn.....	Electric.....	Edward Joy Co.....	526 00	
*Dairy building....	Construction.....	J. F. Growe Const'n Co.	22,475 00	
		Addition	18 04	
			22,493 04	
		Deduction	350 00	
			22,143 04	6,878 24
*Dairy building....	Heating.....	R. T. Ford Co.....	7,967 00	
		Addition	87 00	
			8,054 00	
		Deduction	15 00	
			8,039 00	6,268 75
Dairy building.....	Hardware.....	Albany Hardware & Iron Co.....	301 40	301 40
Dairy building.....	Plumbing, drainage.....	H. S. Graham & Sons..	3,275 00	
		Addition	50 00	
			3,325 00	1,616 50
Dairy building.....	Electric.....	Murphy & Walsh.....	740 00	527 50
Dairy building.....	Electric feeder connections	Peter Keeler Bldg. Co..	176 00	176 00

State School of Agriculture on Long Island, Farmingdale, N. Y.

Building	Work	Contractor	Contract	Certificates
*Dormitory bldg...	Construction.....	Frank Sibenaler.....	$29,724 00	
		Addition	115 48	
			29,839 48	
		Deduction	695 00	
			29,144 48	$3,743 40
Dormitory building.	Heating.....	Blake & Williams; contract completed by A. Winternits.....	2,778 00	
Dormitory building.	Heating.....	A. Winternits.....	1,260 00	1,260 00
*Dormitory building	Plumbing.....	Joseph F. Egan.....	4,963 00	
		Addition	22 00	
			4,985 00	2,482 76
*.....	Walks, curbing, etc.....	Delta Cont'g Co., Inc..	3,650 00	1,189 58
*Horticulture bldg..	Plumbing.....	McKenna Bros.....	3,376 00	
		Addition	62 50	
			3,439 50	
*.....	Sewage and sewage disposal plant.....	Briante Construct'n Co.	44,387 00	
		Deduction	9,026 00	
			35,361 00	9,203 25
*Central heating and lighting plant....	Boiler plant and conduit.	A. Winternits.....	103,000 00	
		Addition	206 53	
			103,206 53	
		Deduction	106 34	
			103,100 19	15,948 64

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
*Director's residence	Heating	P. Keeler Building Co.	$890 00	
		Deduction	25 00	
			865 00	
*Garage	Construction, drainage and water supply	Victor B. Hess	1,452 00	$1,088 85
Agronomy and horticulture bldgs.	Construction	Rufus H. Brown	51,500 00	
		Deduction	1,000 00	
			50,500 00	8,080 75
Horticulture, agronomy, director's residence	Hardware	Reading Hardware Co.	552 35	552 35
Power house	Construction	Frank Sibenaler	32,486 00	
		Deduction	400 00	
			32,086 00	5 957 00
Power house	Hardware	Lockwood Co.	312 00	312 00
Power house	Plumbing	McKenna Brothers	1,320 00	325 50
Agronomy building	Electric	Commercial Construction Co.	1,789 00	
		Deduction	15 00	
			1,774 00	692 37
Horticulture and agronomy building	Heating	A. Winternits	5,934 00	
		Addition	375 00	
			6,309 00	
		Deduction	6 75	
			6,302 25	1,637 45
Horticulture bldg.	Electric	Mack & Mack	1,042 00	
		Addition	15 70	
			1,057 70	206 85
Central heating and power plant	Electric	N. Y. Construction Co.	10,345 00	
		Deduction	9 90	
			10,335 10	2,611 15
*Central heating and power plant	Insurance	Rose & Kiernan	9 90	
Dormitory No. 1	Hardware	Lockwood Co.	497 58	497 58
Dormitory building	Electric	Mack & Mack	1,042 00	638 25
*Dormitory building	Insurance	Rose & Kiernan	2 55	
*Horticulture and agronomy	Insurance	Rose & Kiernan	38 51	
*Horticulture and agronomy	Insurance	Rose & Kiernan	67 83	

Syracuse College of Forestry, Syracuse University, Syracuse, N. Y.

Building	Work	Contractor	Contract	Certificates
*College building	Construction	G. Dekimpe	$207,500 00	
		Addition	1,604 49	
			209,104 49	
		Deduction	2,605 00	
			206,499 49	$89,471 96

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
College building....	Hardware.....	The Lockwood Co.....	$1,941 00	
		Addition	22 40	
			1,963 40	
		Deduction	18 00	
			1,945 40	$1,945 40
College building....	Hardware.....	The Lockwood Co.....	122 50	122 50
*College building...	Hardware.....	The Lockwood Co.....	21 50	
*College building...	Heating.....	W. E. Lape, assigned to U. S. Fidelity & Guaranty Co.....	14,597 00	
		Addition	45 00	
			14,642 00	3,144 49
College building.....	Plumbing, gas fitting.....	J. R. Walsh...	9,280 00	
		Addition	739 21	
			10,019 21	3,527 45
*College building...	Electric.....	Edward Joy Co.....	5,418 00	
		Addition	1,662 86	
			7,080 86	2,805 00
College building....	Inspection of steel.....	Pittsburgh Testing Laboratory.....	75 00	75 00
*College building...	Gas service.....	Syracuse Lighting Co..	200 00	

Onondaga Indian Reservation

Building	Work	Contractor	Contract	Certificates
School building.....	Construction.....	Fred E. Young.....	$10,838 00	
		Deduction	325 00	
			10,513	$10,513
School building.....	Heating.....	Robert Calder Co.....	1,087 00	1,087 00
School building.....	Hardware.....	Lockwood Co.....	141 00	
		Addition	6 18	
			147 18	147 18

New York Institution for Deaf-Mutes, Malone, N. Y.

Building	Work	Contractor	Contract	Certificates
*Annex to kindergarten building...	Construction.....	Benedict Beck.....	$18,994 00	
*Annex to kindergarten building...	Heating.....	Frank H. Monaghan...	1,583 00	
*Annex to kindergarten building...	Plumbing, drainage.....	Frank H. Monaghan...	91,530 00	
*Annex to kindergarten building...	Electric work.....	Edward Joy Co.....	594 00	

St. Lawrence University, Canton, N. Y.

Building	Work	Contractor	Contract	Certificates
*Shop building.....	Construction.....	J. D. Flack.....	$1,775 00	
		Addition	118 00	
			1,893 00	$1,508 75

* An asterisk indicates that contract was in force June 30, 1916.

PUBLIC BUILDINGS

State Capitol, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Capitol	Electric fixtures, rooms 139, 140, 141	Alpha Electric Co.	$39 00	
*Capitol	Repairing corridor, third floor	Benedict Beck	274 00	
*Capitol	Repairs, excise departm't.	C. H. Brainard & Co.	547 00	
		Addition	190 00	
			737 00	
*Capitol	Painting walls, room 139.	C. H. Brainard & Co.	97 00	
		Addition	210 00	
			307 00	
		Deduction	142 50	
			164 50	
*Capitol	Electric, west wing	Finch & Hahn	636 00	
*Capitol	Electric fixtures, rooms 135, 136, 137, 138	E. Joy Co.	163 50	
*Capitol	Electric work, superintendent of public w'ks.	Edward F. Joy	1,382 15	
		Addition	25 00	
			1,407 15	
		Deduction	10 00	
			1,397 15	
*Capitol	Construction, repairs	M. Kantrowitz	1,848 00	
		Deduction	25 00	
			1,823 00	$1,315 00
*Capitol	Skylights, rooms 444, 445	W. F. Plass & Bro., Inc.	900 00	
*Capitol	Heating, executive offices.	J. R. Sheehan Co.	535 00	
		Deduction	5 00	
			530 00	
*Capitol	Steel lockers for legislative employees	Van Dorn Iron Works	787 61	
		Deduction	50 00	
			737 61	
Capitol	Electric floor plugs, rooms 135, 136 and 137	Finch & Hahn	114 00	114 00
Capitol	Electric, room 329	Finch & Hahn	82 00	82 00
Capitol	Electric, executive offices.	Finch & Hahn	118 00	
		Addition	42 50	
			160 50	160 50
Capitol	Restoring interior skylights	J. J. Gorman	4,500 00	
		Deduction	35 00	
			4,465 00	4,465 00
Capitol	Painting, room 320	J. H. Harrigan	168 00	168 00
Capitol	Two radiators, fifth floor	J. Hunter Heating and Contracting Co.	110 00	110 00
Capitol	Repairs to electric wiring.	Tucker Electric Construction Co.	Percentage.	

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Building	Work	Contractor	Contract	Certificates
Capitol	40 chairs, legislative library	Van Heusen Charles Co.	$600 00	$600 00
Capitol	Lighting fixtures, west wing	Wahle-Phillips Co.	27,995 00	
		Addition	72 46	
			28,067 46	
		Deduction	461 50	
			27,605 96	200 00
Capitol	Plumbing, Department of Weights and Measures	J. D. Walsh's Sons, Inc.	100 00	100 00
Capitol	Electric, executive office	A. J. Eckert Co.	1,520 00	1,520 00
*Capitol	Moving lavatories	A. J. Eckert Co.	12 50	
*Capitol	Screen door, legislative library	Wm. M. Whitney & Co.	12 00	12 00
Capitol	Changing floor outlets	Edward Joy Co.	12 00	12 00
Capitol	Changes, treasurer's office	M. Kantrowits	725 00	
		Addition	95 00	
			820 00	820 00
Capitol	Alterations, room 152	M. Kantrowits	494 00	494 00
Capitol	Alterations, executive offices	M. Kantrowits	2,400 00	
		Deduction	4 00	
			2,396 00	2,396 00
Capitol	Alterations, rooms 100, 109	M. Kantrowits	2,435 00	
		Addition	740 00	
			3,175 00	3,175 00
Capitol	Moving sample case, room 137	M. Kantrowits	50 10	50 10
Capitol	Glazing doors, rooms 318, 319,320	M. Kantrowits	58 00	58 00
Capitol	Tile floors, room 319	P. Keeler Building Co.	286 00	286 00
Capitol	Removing foundation, room 319	P. Keeler Building Co.	60 00	60 00
Capitol	Removing concrete platform, room 319	P. Keeler Building Co.	27 70	27 70
Capitol	Painting and patching ceiling, Senate locker room	P. Keeler Building Co.	123 00	123 00
Capitol	Alteration rooms 133-134	P. Keeler Building Co.	594 00	594 00
Capitol	Electric, Senate document room	Alpha Electric Co.	63 00	63 00
Capitol	Electric, Senate document room	Alpha Electric Co.	15 00	15 00
Capitol	Engineering services	C. Ashmusen	Percentage.	
Capitol	Metal bookcases, Assembly library	Cobb, Macy, Dohme, Inc.	168 00	168 00
Capitol	Polished glass, room 239	W. DeyErmand Co.	31 60	31 60
Capitol	Polished glass, state treasurer's office	W. DeyErmand Co.	125 00	125 00
Capitol	Mirrors, executive lavatory	W. DeyErmand Co.	100 00	100 00
Capitol	Glass in partitions	W. DeyErmand Co.	35 00	35 00
Capitol	Dyeing rugs, Assembly committee room	Jules Doux, Inc.	133 00	133 00

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificate
Capitol	Revolving door, west entrance	Feeney & Sheehan Bldg. Co.	$100 00	$100 00
Capitol	Structural steel and iron work	Feeney & Sheehan Bldg. Co.	37 620 00	
		Addition	20 00	
			37,640 00	
		Deduction	3,510 00	
			34,130 00	10,173 03
Capitol	Electric Department of Health	Finch & Hahn	1,717 00	
		Addition	160 00	
			1,877 00	1,269 25
Capitol	Electric, room 426	Finch & Hahn	295 00	295 00
Capitol	Electric, Secretary of State	Finch & Hahn	28 00	28 00
Capitol	Partition, room 518	McCann Building Co.	98 00	98 00
Capitol	Lettering doors and transoms	Mac Sign Co.	20 50	20 50
Capitol	Lettering doors, State B'd of Charities	Mac Sign Co.	9 00	9 00
Capitol	New lavatories	T. A. O'Malley	1,291 00	
		Deduction	10 00	
			1,281 00	226 15
Capitol	Plumbing, Department of Health	T. A. O'Malley	1,327 00	286 60
*Capitol	Bronze registers, third story	Tiffany Studios	2,700 00	

Assembly Chamber, State Capitol

Building	Work	Contractor	Contract	Certificate[8]
Assembly chamber	Restoration of postoffice	Benedict Beck	$985 00	$985 00
Assembly chamber	7 leather davenports	Brown, Curtis & Brown	1,015 00	1,015 00
Assembly chamber	Ceiling panels and repairs	Callanan & Prescott	4,100 00	
		Addition	300 00	
			4,400 00	1,937 50
Assembly chamber	New room, Assembly financial clerk	Fulton Brothers	166 00	166 00
Assembly chamber	Framing and wire screen	J. McKinney & Son	149 00	149 00
*Assembly chamber	Electric work	Alpha Electric Co.	23 00	

Senate Chamber, State Capitol

Building	Work	Contractor	Contract	Certificates
*Capitol	Electric fixtures	Alpha Electric Co.	$1,583 00	$797 50
*Capitol	Electric fixtures	Black & Boyd Mfg. Co.	2,800 00	

Telephone Building, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
Banking Department	Metal equipment	Canton Art Metal Co.	$3,000 00	
		Deduction	39 30	
			2,960 70	$2,960 70

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Building	Work	Contractor	Contract	Certificates
Adjutant General's office	Metal equipment	Art Metal Construction Co.	$794 70	$794 70
Comptroller's office	Bronze tablet	Gorham Mfg. Co.	50 00	50 00

Education Building, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Education building	Repairs to sidewalk	P. Mulderry	$0 13 per square foot	
*Education building	Mural decorations	Will H. Low	30,000 00	$4,557 80
Education building	Engineering services	Henry C. Meyer	Percentage	
Education building	Architectural services	Palmer & Hornbostel	Percentage	
Education building	Electric light fixtures	Black & Boyd Mfg. Co.	133,872 97	
		Addition	5,548 00	
			139,420 97	
		Deduction	5,100 00	
			134,320 97	340 00
Education building	Excavation	M. F. Dollard	6,756 36	6,756 36
Education building	Changes to eaves, moulding	J. J. Gorman	550 00	550 00
Education building	Electric wiring, Indian exhibits	E. Joy Co	771 96	771 96
Education building	Door locks for elevators	Otis Elevator Co.	193 00	193 00
Education building	Construction, Indian exhibits	W. F. Plass & Bro.	10,950 00	4,830 00
Education building	Heating work	United Lead Co.	962 50	962 50

Executive Mansion, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
Greenhouse	Construction, repairs	Lord & Burnham Co.	$5,605 00	$1,088 85

State Hall, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*State hall	Construction, repairs	Feeney & Sheehan Bldg. Co.	$162,000 00	
		Deduction	10 50	
			161,989 50	$47,987 60
*State hall	Heating	J. R. Sheehan Co.	13,911 00	
		Deduction	14 00	
			13,897 00	7,564 58
*State hall	Electric	Edward Joy Co.	9,753 00	
		Addition	140 00	
			9,893 00	1,062 50
*State hall	Plumbing, drainage	Edward Joy Co.	6,568 00	1,827 50
*State hall	Electric elevator	Wheeler-McDowell Elevator Co.	5,900 00	
State hall	Test pits	M. Kantrowits	91 73	91 73
*State hall	Designs	J. F. Warner	Percentage	

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Old Power House Site, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
Site	Grading, sodding, etc	Cramond Construction Co	$7,445 00	
		Addition	39 60	
			7,484 60	$7,484 60
Site	Grading, sodding, etc	Cramond Construction Co	213 90	213 90

New Capitol Power House, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Power house	Sidewalk repairs	R. T. Ford Co	$343 00	
*Power house	Grillage on caissons	R. T. Ford Co	175 00	

Agricultural Hall, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Building	Construction, alterations	John M. Collins	$873 00	
Building	Construction work	Benedict Beck	172 00	
		Addition	36 00	
			208 00	$208 00

REGULATIVE

State Institute for the Study of Malignant Disease, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates
*Gratwick laboratory	Heating, ventilating	Republic Engineering Construction Co	$8,567 00	
		Addition	180 99	
			8,747 99	
		Deduction	19 00	
			8,728 99	

Quarantine Station, Rosebank, Staten Island, N. Y.

Building	Work	Contractor	Contract	Certificates
*Animal building	Construction, drainage	P. Wolff & Sons	$6,191 00	
		Addition	358 00	
			6,549 00	
		Deduction	9 00	
			6,540 00	$1,717 85
*Animal building	Plumbing, drainage and gas piping	W. C. O'Keeffe & Sons	570 00	
		Deduction	8 00	
			562 00	260 95

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
Animal building....	Electric.....	Jandous Electric Equipment Co., Inc.....	$375 00	
		Addition	3 00	
			378 00	
		Deduction	55 00	
			323 00	$323 00
Animal building....	Heating.....	William J. Olvany.....	558 00	558 00

GENERAL

General Herkimer Home, Little Falls, N. Y.

Building	Work	Contractor	Contract	Certificates
Herkimer home....	Repairs.....	Charles Egan.....	$2,598 00	
		Addition	191 20	
			2,789 20	$614 11

Letchworth Park, Portage, N. Y.

Building	Work	Contractor	Contract	Certificates
*.....	Electric plant.....	Salisbury Wheel & Manufacturing Co...	$415 00	

Schuyler Mansion, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates
*Mansion.....	Hardware.....	Albany & Hardware & Iron Co.....	$83 90	
Mansion.....	Sanitary work.....	E. J. Ryan.....	190 00	$190 00
*Mansion.....	Construction, repairs.....	M. Kantrowits.....	4,535 00	
		Addition	120 00	
			4,655 00	
*Mansion.....	Painting and decorating..	M. Kantrowits.....	890 00	
*Mansion.....	Heating.....	J. R. Sheehan Co.....	823 00	612 00
Mansion.....	Electric.....	Alpha Electric Co.....	272 00	
		Addition	52 00	
			324 00	
		Deduction	8 01	
			315 99	315 99
Caretaker's cottage.	Construction, repairs.....	Maurice Mead.....	6,800 00	
		Addition	7,242 46	
			14,042 46	3,815 47

Warren County Fish Hatchery, Warrensburg, N. Y.

Building	Work	Contractor	Contract	Certificates
Fish hatchery.....	Construction.....	George E. Farrar.....	$4,389 22	$4,389 22
Fish hatchery.....	Heating.....	James Hunter Heating & Contracting Co., Inc.....	528 00	528 00

* An asterisk indicates that contract was in force June 30, 1916.

Building	Work	Contractor	Contract	Certificates
Fish hatchery.....	Plumbing.....	William Deyoe.....	$773 00	$773 00
Fish hatchery.....	Heating.....	Robert F. Pohl.....	737 00	737 00

Sir William Johnson Mansion, Johnstown, N. Y.

Building	Work	Contractor	Contract	Certificates
*Caretaker's cottage	Construction.....	Eli J. Miller.....	$3,090 47	
*Caretaker's cottage	Plumbing, drainage.....	W. Lynes & Son.....	1,160 00	
*Caretaker's cottage	Heating.....	W. Lynes & Son.....	325 00	
*Caretaker's cottage	Electric.....	Herman W. Jansen....	172 53	

Saratoga Monument

Building	Work	Contractor	Contract	Certificates
Monument.....	Concrete sidewalks.....	George W. Winship....	$510 00	$510 00
.....	Piers under cannon.....	George W. Winship....	18 00	18 00

Baker Avenue House, New York City

Building	Work	Contractor	Contract	Certificates
Store-dwelling.....	Repairs, etc.....	Wm. Luke.....	$2,998 00	
		Addition	167 00	
			3,165 00	
		Deduction	53 00	
			3,112 00	$2,115 80

Governor Clinton House, Poughkeepsie, N. Y.

Building	Work	Contractor	Contract	Certificates
Clinton house.....	Ceiling repairs.....	Madsen & Wistoff Construction Co.....	$52 00	$52 00
Clinton house.....	Reconstruction.....	Seaman & Lovelace....	1,445 00	
		Addition	299 00	
			1,744 00	
		Deduction	450 00	
			1,739 50	1,080 75
Clinton house.....	New windows.....	Franklin H. Seaman...	138 00	138 00
Clinton house.....	Enclosing attic stairway..	Seaman & Lovelace....	13 37	13 37

Crown Point Reservation, Crown Point, N. Y.

Building	Work	Contractor	Contract	Certificates
Fort Frederic.....	Repairs.....	J. F. Nadeau.....	$108 00	$108 00
*Comfort station...	Grading.....	J. F. Nadeau.....	50 00	
*Comfort station...	Carpenter work, painting.	W. P. Dobson.....	324 12	
*Comfort station...	Plumbing.....	M. Hogan.....	162 00	
.....	Culverts, rails.....	Thomas Edwards.....	270 00	270 00
.....	Artesian wells.....	Charles Garvey Building Co.....	2 50 per foot	330 53
Fort Frederic.....	Repairs.....	W. P. Oldruff.....	640 95	649 95
*.....	Flag pole.....	W. P. Oldruff.....	60 00	
Comfort station	Cesspools and drains.....	W. P. Oldruff.....	293 00	293 00
.....	Sidewalk.....	W. P. Oldruff.....	350 00	350 00

* An asterisk indicates that contract was in force June 30, 1916.

HOSPITALS

	Contracts in force, Oct. 1, 1915, to June 30, 1916	Contracts completed, Oct. 1, 1915, to June 30, 1916	Certificates issued Oct. 1, 1915, to June 30, 1916	Contracts in force, Oct. 1, 1915	Additions and deductions, Oct. 1, 1915, to June 30, 1916	Contracts awarded, Oct. 1, 1915, to June 30, 1916	Contracts in force June 30, 1916
Binghamton State Hospital	$287,410 89	$39,615 00	$108,460 35	$261,146 33	—$1,975 94	$28,240 50	$247,795 89
Brooklyn State Hospital	537,066 35	52,268 64	18,313 76	127,220 76	—1,124 97	410,970 56	484,797 71
Buffalo State Hospital	23,627 00	18 00	11,019 14	12,264 00	—18 00	11,381 00	23,609 00
Central Islip State Hospital	18,208 13	13,408 13	11,453 13	4,491 00	—11 26	13,728 39	4,800 00
Gowanda State Hospital	3,297 59	3,297 59	662 59	3,297 59	.....	.....	.....
Hudson River State Hospital	132,170 56	32,170 56	1,614 60	32,170 56	.....	.....	.....
Kings Park State Hospital	107,807 46	14,340 00	46,614 20	104,257 30	—863 84	4,414 00	93,467 46
Manhattan State Hospital	527,875 15	7 01	191,861 21	488,510 89	—4,449 05	43,813 31	527,868 14
Middletown State Hospital	*102,073 01	.....	60,330 27	*84,830 00	+192 00	17,051 01	†97,695 01
Rochester State Hospital	9,166 00	9,166 00	3,370 70	9,166 00	.....	.....	.....
St. Lawrence State Hospital	6,580 00	6,580 00	4,327 50	6,580 00	.....	.....	.....
	$1,655,282 14	$170,870 93	$458,027 87	$1,133,934 43	—$8,443 06	$529,598 77	†$1,480,033 21
	.....	.....	.....	—8,251 06	+192 00	.....	.....
	$1,655,282 14	.....	.....	$1,125,683 37	—$8,251 06	.....	.....
Less defaulted contract	4,378 00	.....	.....	4,378 00	.....	.....	.....
	$1,650,904 14	.....	.....	$1,121,305 37	.....	.....	.....

CHARITIES

Western House of Refuge, Albion	$2,040 00	.....	.....	$2,040 00	.....	.....	$2,040 00
Soldiers' and Sailors' Home, Bath	21,587 25	$21,587 25	$11,994 42	21,607 25	—$20 00	.....	.....
School for the Blind, Batavia	17,381 33	1,594 83	13,974 23	17,233 00	—150 50	298 83	15,786 50
Reformatory for Women, Bedford Hills	143,228 86	70,615 35	36,304 15	142,283 00	+495 26	450 60	72,613 51
Training School for Girls, Hudson	154,523 47	71,110 63	54,026 78	149,426 47	—2,180 16	7,277 16	83,412 84
Letchworth Village, Thiells	247,347 37	34,208 79	71,024 83	235,266 29	—95 45	12,176 53	213,138 58
Agricultural and Industrial School, Industry	8,917 50	282 00	4,986 81	8,885 00	+32 50	.....	8,635 50
Eastern New York Reformatory, Napanoch	10,210 0	.....	.....	.....	.....	10,210 00	10,210 00
Asylum for Feeble-Minded Women, Newark	171,062 24	9,756 00	56,034 26	107,091 84	—1,414 60	65,985 00	161,906 24
Women's Relief Corps Home, Oxford	4,130 60	4,130 60	3,475 93	4,180 60	—50 00	.....	.....
Rome Custodial Asylum	136,472 33	.....	74,549 42	135,833 33	+639 00	.....	136,472 33

Craig Colony, Sonyea	58,792 15	26,749 95	10,154 55	58,800 47	—41 12	32 80	32,042 20
Hospital for Crippled and Deformed Children, West Haverstraw	45,647 68	10,833 88	20,443 55	45,691 80	—460 70	416 58	34,813 80
Training School for Boys, Yorktown Heights	179,422 24	30,190 81	73,789 85	169,102 87	+8,972 50	1,346 87	149,231 43
	$1,201,363 02	$281,060 09	$430,759 06	$1,097,441 92	$+10,139 26	$98,194 37	$920,302 93
	.....	.....	.....	+5,726 73	—4,412 53	.....	.....
	.....	.....	.....	$1,103,168 65	+$5,726 73	.....	.....

PRISONS

Great Meadow Prison	$279,562 16	.....	.....	$279,562 16	.....	.....	$279,562 16
Dannemora Hospital	6,616 00	.....	.....	.....	.....	$6,616 00	6,616 00
Matteawan Hospital	12,450 00	$12,450 00	$4,324 00	12,450 00	.....	.....	.....
Sing Sing Prison	46,345 21	14,192 00	4,561 50	48,451 76	—$106 55	.....	34,153 21
	$346,973 37	$26,642 00	$8,885 50	$340,463 92	—$106 55	$6,616 00	$320,331 37
	.....	.....	.....	—106 55	.....	.....	.....
	.....	.....	.....	$340,357 37	.....	.....	.....

ARMORIES

Troop B, Albany	$141,801 90	$139,072 90	$30,711 26	$138,107 06	—$1,216 95	$4,911 79	$2,729 00
State Armory, Albany	1,483 00	.....	.....	.....	.....	1,483 00	1,483 00
Troop I, Buffalo	142,181 67	.....	81,474 48	135,778 20	+5,628 47	775 00	142,181 67
State Armory, Yonkers	88,070 00	.....	5,816 55	.....	.....	88,070 00	88,070 00
	$373,536 57	$139,072 90	$118,002 29	$273,885 26	+$5,628 47	$95,239 79	$234,463 67
	.....	.....	.....	4,411 52	—1,216 95	.....	.....
	.....	.....	.....	$278,296 78	+$4,411 52	.....	.....

* Includes Arthur Casey defaulted contract, $4,378.
† Does not include Arthur Casey defaulted contract, $4,378.00.

HOSPITALS

	Contracts in force, Oct. 1, 1915, to June 30, 1916	Contracts completed, Oct. 1, 1915, to June 30, 1916	Certificates issued Oct. 1, 1915, to June 30, 1916	Contracts in force, Oct. 1, 1915	Additions and deductions, Oct. 1, 1915, to June 30, 1916	Contracts awarded, Oct. 1, 1915, to June 30, 1916	Contracts in force June 30, 1916
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Brooklyn State Hospital	537,066 35	52,268 64	18,313 76	127,220 76	—1,124 97	410,970 56	484,797 71
Buffalo State Hospital	23,627 00	18 00	11,019 14	12,264 00	—18 00	11,381 00	23,609 00
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Gowanda State Hospital	3,297 59	3,297 59	662 59	3,297 59	.....	.....	.....
Hudson River State Hospital	132,170 56	32,170 56	1,614 60	32,170 56	.....	.....	.....
Kings Park State Hospital	107,807 46	14,340 00	46,614 20	104,257 30	—863 84	4,414 00	93,467 46
Manhattan State Hospital	527,875 15	7 01	191,861 21	488,510 89	—4,449 05	43,813 31	527,868 14
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Rochester State Hospital	9,166 00	9,166 00	3,370 70	9,166 00	.....	.....	.....
St. Lawrence State Hospital	6,580 00	6,580 00	4,327 50	6,580 00	.....	.....	.....
	$1,655,282 14	$170,870 93	$458,027 87	$1,133,934 43	—$8,443 06	$529,598 77	†$1,480,033 21
	.....	.....	.....	—8,251 06	+192 00	.....	.....
	$1,655,282 14	.....	.....	$1,125,683 37	—$8,251 06	.....	.....
Less defaulted contract	4,378 00	.....	.....	4,378 00	.....	.....	.....
	$1,650,904 14	.....	.....	$1,121,305 37	.....	.....	.....

CHARITIES

Western House of Refuge, Albion	$2,040 00	.....	.....	$2,040 00	.....	.....	$2,040 00
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Reformatory for Women, Bedford Hills	143,228 86	70,615 35	36,304 15	142,283 00	+495 26	450 60	72,613 51
Training School for Girls, Hudson	154,523 47	71,110 63	54,026 78	149,426 47	—2,180 16	7,277 16	83,412 84
Letchworth Village, Thiells	247,347 37	34,208 79	71,024 83	235,266 29	—95 45	12,176 53	213,138 58
Agricultural and Industrial School, Industry	8,917 50	282 00	4,986 81	8,885 00	+32 50	.....	8,635 50
Eastern New York Reformatory, Napanoch	10,210 0	.....	.....	.....	.....	10,210 00	10,210 00
Asylum for Feeble-Minded Women, Newark	171,062 24	9,756 00	56,034 26	107,091 84	—1,414 60	65,985 00	161,906 24
Women's Relief Corps Home, Oxford	4,130 60	4,130 60	3,475 93	4,180 60	—50 00	.....	.....
Rome Custodial Asylum	136,472 33	.....	74,549 42	135,833 33	+639 00	.....	136,472 33

Craig Colony, Sonyea	58,792 15	26,749 95	10,154 55	58,800 47	—41 12	32 80	32,042 20
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Training School for Boys, Yorktown Heights	179,422 24	30,190 81	73,789 85	169,102 87	+8,972 50	1,346 87	149,231 43
	$1,201,363 02	$281,060 09	$430,759 06	$1,097,441 92	$+10,139 26	$98,194 37	$920,302 93
	.....	.....	.....	+5,726 73	—4,412 53	.....	.....
	.....	.....	.....	$1,103,168 65	+$5,726 73	.....	.....

PRISONS

Great Meadow Prison	$279,562 16	.....	.....	$279,562 16	.....	.....	$279,562 16
Dannemora Hospital	6,616 00	.....	.....	.....	.....	$6,616 00	6,616 00
Matteawan Hospital	12,450 00	$12,450 00	$4,324 00	12,450 00	.....	.....	.....
Sing Sing Prison	46,345 21	14,192 00	4,561 50	48,451 76	—$106 55	.....	34,153 21
	$346,973 37	$26,642 00	$8,885 50	$340,463 92	—$106 55	$6,616 00	$320,331 37
	.....	.....	.....	—106 55	.....	.....	.....
	.....	.....	.....	$340,357 37	.....	.....	.....

ARMORIES

Troop B, Albany	$141,801 90	$139,072 90	$30,711 26	$138,107 06	—$1,216 95	$4,911 79	$2,729 00
State Armory, Albany	1,483 00	.....	.....	.....	.....	1,483 00	1,483 00
Troop I, Buffalo	142,181 67	.....	81,474 48	135,778 20	+5,628 47	775 00	142,181 67
State Armory, Yonkers	88,070 00	.....	5,816 55	.....	.....	88,070 00	88,070 00
	$373,536 57	$139,072 90	$118,002 29	$273,885 26	+$5,628 47	$95,239 79	$234,463 67
	.....	.....	.....	4,411 52	—1,216 95	.....	.....
	.....	.....	.....	$278,296 78	+$4,411 52	.....	.....

* Includes Arthur Casey defaulted contract, $4,378.
† Does not include Arthur Casey defaulted contract, $4,378.00.

NORMAL SCHOOLS

	Contracts in force, Oct. 1, 1915, to June 30, 1916	Contracts completed, Oct. 1, 1915, to June 30, 1916	Certificates issued Oct. 1, 1915, to June 30, 1916	Contracts in force, Oct. 1, 1915	Additions and deductions, Oct. 1, 1915, to June 30, 1916	Contracts awarded, Oct. 1, 1915, to June 30, 1916	Contracts in force June 30, 1916
Buffalo Normal School	$17,708 69	$17,708 69	$11,510 07	$17,756 70	—$64 01	$16 00	.....
Geneseo Normal School	808 00	808 00	808 00	.....	.....	808 00	.....
	$18,516 69	$18,516 69	$12,318 07	$17,756 70	$—64 01	$824 00	.....
	.....	.....	.....	—64 01	.....	.....	.....
	.....	.....	.....	$17,692 69	.....	.....	.....

EDUCATIONAL

Cornell University	$384,650 27	$69,680 54	$130,163 71	$380,983 26	+$2,857 01	$810 00	$314,969 73
Schoharie School of Agriculture	52,045 21	52,045 21	18,116 06	52,119 11	—73 90	.....	.....
School of Agriculture and Domestic Science, Delhi	55,578 44	4,542 40	18,899 79	34,525 04	—278 00	21,331 40	51,036 04
School of Agriculture, Farmingdale	291,932 94	109,816 98	56,427 73	285,152 91	+299 24	6,480 79	182,115 96
State Institution for Deaf Mutes, Malone	22,701 00	.....	.....	.....	.....	22,701 00	22,701 00
Onondaga Indian Reservation	11,747 18	11,747 18	11,747 18	11,925 00	—325 00	147 18	.....
St. Lawrence University, Canton	1,893 00	.....	1,508 75	.....	.....	1,893 00	1,893 00
College of Forestry, Syracuse	240,605 96	2,020 40	101,091 81	236,246 40	+4,015 56	344 00	238,585 56
	$1,061,154 00	$249,852 71	$337,955 03	$1,000,951 72	+$7,171 81	$53,707 37	$811,301 29
	.....	.....	.....	+6,494 91	—676 90	.....	.....
	.....	.....	.....	$1,007,446 63	+$6,494 91	.....	.....

PUBLIC BUILDINGS

State Capitol	$93,800 62	$83,521 36	$30,770 43	$77,344 11	+$585 00	$15,871 51	$10,279 26
Tax Commission	6,780 00	6,780 00	6,780 00	.....	.....	6,780 00	.....
Agricultural Hall	1,081 00	208 00	208 00	.....	.....	1,081 00	873 00
Assembly Chamber	6,738 00	6,715 00	4,252 50	4,400 00	.....	2,338 00	23 00
Telephone Building	3,805 40	3,805 40	3,805 40	3,050 00	—39 30	794 70	.....

Senate Chamber	4,383 00	.....	797 50	.....	.....	4,383 00	4,383 00
Education Building	184,504 79	154,504 79	18,961 62	176,235 93	.....	8,268 86	30,000 00
Executive Mansion	5,605 00	5,605 00	1,088 85	5,605 00	.....	.....	.....
State Hall	198,339 23	91 73	58,533 91	192,232 00	+115 50	5,991 73	198,247 50
Old Power House Site	7,698 50	7,698 50	7,698 50	7,445 00	+39 60	213 90	.....
New Power House Site	518 00	.....	.....	518 00	.....	.....	518 00
	$513,253 54	$268,929 78	$132,896 71	$466,830 04	+$740 10	$45,722 70	$244,323 76
	.....	.....	.....	+700 80	—39 30	.....	.....
	.....	.....	.....	$467,530 84	+$700 80	.....	.....

REGULATIVE

Institute for Study of Malignant Disease, Buffalo	$8,728 99	.....	.....	$8,728 99	.....	.....	$8,728 99
Quarantine Station, Rosebank	7,983 00	$881 00	$2,859 80	7,639 00	+$344 00	.....	7,102 00
	$16,711 99	$881 00	$2,859 80	$16,367 99	+$344 00	.....	$15,830 99
	.....	.....	.....	+344 00	.....	.....	.....
	.....	.....	.....	$16,711 99	.....	.....	.....

GENERAL

Baker Avenue House	$3,112 00	$3,112 00	$2,115 80	$2,998 00	+$114 00	.....	.....
Governor Clinton House	1,942 87	1,942 87	1,284 12	1,749 50	+42 00	$151 37	.....
Crown Point Reservation	2,258 07	*1,661 95	*1,992 48	1,399 12	.....	858 95	596 12
General Herkimer Home	2,789 20	2,789 20	614 11	2,701 00	+88 20	.....	.....
Letchworth Park	415 00	.....	.....	415 00	.....	.....	415 00
Schuyler Mansion, Albany	21,000 35	14,548 45	4,933 46	12,460 76	+1,581 70	6,957 89	6,451 90
Warren County Fish Hatchery	6,427 22	6,427 22	6,427 22	5,690 22	.....	737 00	.....
Sir William Johnson Mansion	4,748 00	.....	.....	.....	.....	4,748 00	4,748 00
Saratoga Monument	528 00	528 00	528 00	.....	.....	528 00	.....
	$43,220 71	$31,009 69	$17,895 19	$27,413 60	+$1,825 90	$13,981 21	$12,211 02
	.....	.....	.....	+1,825 90	.....	.....	.....
	.....	.....	.....	$29,239 50	.....	.....	.....

* Includes $330.53 paid Charles Garvey Drilling Co., not included in contracts.

NORMAL SCHOOLS

	Contracts in force, Oct. 1, 1915, to June 30, 1916	Contracts completed, Oct. 1, 1915, to June 30, 1916	Certificates issued Oct. 1, 1915, to June 30, 1916	Contracts in force, Oct. 1, 1915	Additions and deductions, Oct. 1, 1915, to June 30, 1916	Contracts awarded, Oct. 1, 1915, to June 30, 1916	Contracts in force June 30, 1916
Buffalo Normal School	$17,708 69	$17,708 69	$11,510 07	$17,756 70	—$64 01	$16 00	.....
Geneseo Normal School	808 00	808 00	808 00	.....	.....	808 00	.....
	$18,516 69	$18,516 69	$12,318 07	$17,756 70	$—64 01	$824 00	.....
	.....	.....	.....	—64 01	.....	.....	.....
	.....	.....	.....	$17,692 69	.....	.....	.....

EDUCATIONAL

Cornell University	$384,650 27	$69,680 54	$130,163 71	$380,983 26	+$2,857 01	$810 00	$314,969 73
Schoharie School of Agriculture	52,045 21	52,045 21	18,116 06	52,119 11	—73 90	.....	.....
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School of Agriculture, Farmingdale	291,932 94	109,816 98	56,427 73	285,152 91	+299 24	6,480 79	182,115 96
State Institution for Deaf Mutes, Malone	22,701 00	.....	.....	.....	.....	22,701 00	22,701 00
Onondaga Indian Reservation	11,747 18	11,747 18	11,747 18	11,925 00	—325 00	147 18	.....
St. Lawrence University, Canton	1,893 00	.....	1,508 75	.....	.....	1,893 00	1,893 00
College of Forestry, Syracuse	240,605 96	2,020 40	101,091 81	236,246 40	+4,015 56	344 00	238,585 56
	$1,061,154 00	$249,852 71	$337,955 03	$1,000,951 72	+$7,171 81	$53,707 37	$811,301 29
	.....	.....	.....	+6,494 91	—676 90	.....	.....
	.....	.....	.....	$1,007,446 63	+$6,494 91	.....	.....

PUBLIC BUILDINGS

State Capitol	$93,800 62	$83,521 36	$30,770 43	$77,344 11	+$585 00	$15,871 51	$10,279 26
Tax Commission	6,780 00	6,780 00	6,780 00	.....	.....	6,780 00	.....
Agricultural Hall	1,081 00	208 00	208 00	.....	.....	1,081 00	873 00
Assembly Chamber	6,738 00	6,715 00	4,252 50	4,400 00	.....	2,338 00	23 00
Telephone Building	3,805 40	3,805 40	3,805 40	3,050 00	—39 30	794 70	.....

Senate Chamber	4,383 00	.....	797 50	.....	.....	4,383 00	4,383 00
Education Building	184,504 79	154,504 79	18,961 62	176,235 93	.....	8,268 86	30,000 00
Executive Mansion	5,605 00	5,605 00	1,088 85	5,605 00	.....	.....	.....
State Hall	198,339 23	91 73	58,533 91	192,232 00	+115 50	5,991 73	198,247 50
Old Power House Site	7,698 50	7,698 50	7,698 50	7,445 00	+39 60	213 90	.....
New Power House Site	518 00	.....	.....	518 00	.....	.....	518 00
	$513,253 54	$268,929 78	$132,896 71	$466,830 04	+$740 10	$45,722 70	$244,323 76
	.....	.....	.....	+700 80	—39 30	.....	.....
	.....	.....	.....	$467,530 84	+$700 80	.....	.....

REGULATIVE

Institute for Study of Malignant Disease, Buffalo	$8,728 99	.....	.....	$8,728 99	.....	.....	$8,728 99
Quarantine Station, Rosebank	7,983 00	$881 00	$2,859 80	7,639 00	+$344 00	.....	7,102 00
	$16,711 99	$881 00	$2,859 80	$16,367 99	+$344 00	.....	$15,830 99
	.....	.....	.....	+344 00	.....	.....	.....
	.....	.....	.....	$16,711 99	.....	.....	.....

GENERAL

Baker Avenue House	$3,112 00	$3,112 00	$2,115 80	$2,998 00	+$114 00	.....	.....
Governor Clinton House	1,942 87	1,942 87	1,284 12	1,749 50	+42 00	$151 37	.....
Crown Point Reservation	2,258 07	*1,661 95	*1,992 48	1,399 12	.....	858 95	596 12
General Herkimer Home	2,789 20	2,789 20	614 11	2,701 00	+88 20	.....	.....
Letchworth Park	415 00	.....	.....	415 00	.....	.....	415 00
Schuyler Mansion, Albany	21,000 35	14,548 45	4,933 46	12,460 76	+1,581 70	6,957 89	6,451 90
Warren County Fish Hatchery	6,427 22	6,427 22	6,427 22	5,690 22	.....	737 00	.....
Sir William Johnson Mansion	4,748 00	.....	.....	.....	.....	4,748 00	4,748 00
Saratoga Monument	528 00	528 00	528 00	.....	.....	528 00	.....
	$43,220 71	$31,009 69	$17,895 19	$27,413 60	+$1,825 90	$13,981 21	$12,211 02
	.....	.....	.....	+1,825 90	.....	.....	.....
	.....	.....	.....	$29,239 50	.....	.....	.....

* Includes $330.53 paid Charles Garvey Drilling Co., not included in contracts.

STATE OF NEW YORK

ANNUAL REPORT

OF THE

Department of Architecture

For the Fiscal Year Ending June 30, 1917

TRANSMITTED TO THE LEGISLATURE APRIL 1, 1918

ALBANY
J. B. LYON COMPANY, PRINTERS
1918

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No. 29

IN SENATE

APRIL 1, 1918

FOURTH ANNUAL REPORT

OF THE

DEPARTMENT OF ARCHITECTURE

STATE OF NEW YORK

DEPARTMENT OF ARCHITECTURE

ALBANY, *April* 1, 1918.

Hon. EDWARD SCHOENECK, *President of the Senate, Albany, N. Y.:*

SIR.— I have the honor to submit herewith for your consideration the Annual Report of the Department of Architecture, State of New York, for the fiscal year ending June 30, 1917.

Respectfully yours,

L. F. PILCHER,

State Architect.

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L. F. PILCHER,

State Architect.

ANNUAL REPORT

To the Honorable the Senate of the State of New York:

GENTLEMEN.—The fourth annual report of the Department of Architect is hereby submitted.

The change in the fiscal year authorized by your honorable body and approved by the Executive of the State made it necessary that the report for the year 1915–16 include only the period covered from October 1, 1915, to June 30, 1916, or, in other words, it put the Department on an operating basis of nine instead of twelve months.

The report for this year, however, covers a period of twelve months and includes those months intervening between July 1, 1916, and June 30, 1917.

During the past year there has been the same steady advance in the prices of materials that was forecasted by me in my report of last year. The labor and transportation problems have also been a source of difficulty and the temporary absence of departmental employees on military work has not added to the ease of solution of departmental problems, as it has not been possible to immediately fill their places.

Following my policy of last year, I have endeavored to keep contract development along the lines where it was most needed, holding in abeyance all work which I deemed not absolutely necessary for the efficient development and administration of State institutions until the emergency problems had been satisfactorily solved.

The designing and engineering departments have been operating at a high rate of tension and the plans have been completed for practically all the work for which appropriations have been made. In addition to this work various plans and studies have been produced looking toward future development.

One difficulty that faced the whole country was the rapid shifting of prices for labor and materials, and this necessitated the restudy of several projects so as to meet these conditions and

make contracts. This has successfully been done and while the maximum requirement could not be obtained, as much work was done as the available appropriations permitted.

In addition to the advance of prices of labor and material, embargoes on these materials tended to delay the completion of the work. This condition will obtain for the period of the war and will increase rather than decrease, and as this factor obtains so will the completion of the work under contract be determined.

By the acts of Legislature I have been made a member of the Commission on New Prisons and the Hospital Development Commission. These commissions are advancing their work and will advise of their activities in their reports.

Both these commissions are taking a great deal of the time of the State Architect and of the departmental force, but the results that are being obtained fully warrant all the time spent, as the lasting benefit to the State and its wards is so great that a new epoch has arisen in institutional design and construction.

Appended hereto is a detailed account of the activities of the department during the fiscal year showing how the appropriations of the Legislature have been administered.

SUMMARY OF CONTRACT WORK

A review of the contract development of the Department for the fiscal year ending June 30, 1917, shows:

Contracts in force July 1, 1916	$4,030,009 24
Less contracts abrogated at Training School for Boys at Yorktown Heights	111,081 96
	$3,918,927 28
Net additions to contracts July 1, 1916, to June 30, 1917	29,321 98
Contracts awarded July 1, 1916, to June 30, 1917	1,674,920 10
Special fund estimates July 1, 1916, to June 30, 1917, not included in contracts	662,079 70
Total face of contracts, special fund estimates and orders administered	$6,285,249 06

Face of contracts concluded, including special fund estimates not included in contracts.....	$2,970,533 79
Total contracts in force June 30, 1917....	$3,314,715 27
Certificates issued on contracts in force June 30, 1917, not including certificates issued on special fund estimates approved.....	1,578,222 78
Balance, unperformed work, on face of contracts in force June 30, 1917.....	$1,736,492 49

Summary of contract progress, July 1, 1916, to June 30, 1917, inclusive:

Contracts completed	$2,308,454 09
Certificates issued on non-completed contracts..	1,578,222 78
Contract progress, July 1, 1916, to June 30, 1917, inclusive.....	$3,886,676 87

Summary of certificates issued:

Certificates issued on contracts, July 1, 1916, to June 30, 1917, inclusive.....	$1,578,222 78
Certificates issued prior to July 1, 1916.....	2,207,972 53
Total certificates issued on contracts in force July 1, 1916, to June 30, 1917, inclusive	$3,786,195 31

The expenses of the Department for the period covering the work as summarized above was $183,491.45. Included in this summary is a payroll charge of $156,464.48 and a maintenance and operation charge of $27,027.47, the average monthly departmental operating cost being $15,291, as against a $15,271.08 average for the nine-months year ending June 30, 1916. The balance left in departmental appropriations is $21,720.66.

SUMMARY STATEMENT OF CONTRACTS IN FORCE JULY 1, 1916, TO JUNE 30, 1917, INCLUSIVE, CONTRACTS COMPLETED, CERTIFICATES ISSUED ON CONTRACTS, CONTRACTS IN FORCE JULY 1, 1916, WITH ADDITIONS AND DEDUCTIONS TO CONTRACTS FROM JULY 1, 1916, TO JUNE 30, 1917, INCLUSIVE, CONTRACTS AWARDED JULY 1, 1916, TO JUNE 30, 1917, INCLUSIVE, AND CONTRACTS IN FORCE JUNE 30, 1917

	Contracts in force July 1, 1916, to June 30, 1917, inclusive	Contracts completed July 1, 1916, to June 30, 1917, inclusive	Certificates issued on contracts July 1, 1916, to June 30, 1917, inclusive	Contracts in force July 1, 1916.	Additions and deductions to contracts July 1, 1916, to June 30, 1917, inclusive	Contracts awarded July 1, 1916, to June 30, 1917	Contracts in force July 1, 1917
Hospitals	$1,686,014 25	$619,174 65	$537,117 98	$1,471,253 21	$12,356 77	$202,404 27	$1,066,539 60
Charitable	1,430,641 11	449,022 53	328,012 10	920,293 93	—231 76	510,578 94	870,536 62
Prisons	339,939 37	323,206 37	20,169 13	320,331 37	.....	19,608 00	16,733 00
Armories	346,525 35	145,496 17	113,575 42	234,463 67	+3,090 82	108,970 86	201,029 18
Normal schools	287,800 70	.....	13,670 34	.....	.....	287,800 70	287,800 70
Educational	935,612 38	418,362 36	246,895 06	811,301 29	—1,579 09	125,890 18	517,250 02
Public buildings	410,857 47	333,450 55	284,360 01	244,323 76	+15,306 50	151,227 21	77,406 92
Regulative	18,041 14	9,312 15	4,116 10	15,830 99	+22 15	2,188 00	8,728 99
General	278,819 55	10,129 31	30,306 64	12,211 02	+356 59	266,251 94	268,690 24
	$5,734,251 32	.....	.....	$4,030,009 24	+$31,132 83	.....	.....
Less contracts abrogated	111,081 96	.....	.....	111,081 96	—1,810 85	.....	.....
	$5,623,169 36	$2,308,454 09	$1,578,222 78	$3,918,927 28	+$29,321 98	$1,674,920 10	$3,314,715 27

SUMMARY STATEMENT SHOWING CONTRACTS IN FORCE JULY 1, 1916, TO JUNE 30, 1917, INCLUSIVE, CERTIFICATES ISSUED ON CONTRACTS JULY 1, 1916, TO JUNE 30, 1917, INCLUSIVE, CERTIFICATES ISSUED PRIOR TO JULY 1, 1916, AND TOTAL CERTIFICATES ISSUED ON CONTRACTS IN FORCE JULY 1, 1916, TO JUNE 30, 1917

	Contracts in force July 1, 1916, to June 30, 1917	Certificates issued on contracts July 1, 1916, to June 30, 1917	Certificates issued prior to July 1, 1917	Total certificates issued on contracts in force July 1, 1916, to June 30, 1917
Hospitals	$1,686,014 25	$537,117 98	$625,846 04	$1,162,964 02
Charitable	1,319,559 15	328,012 10	524,377 42	852,389 52
Prisons	339,939 37	20,169 13	306,883 49	327,052 62
Armories	346,525 35	113,575 42	123,203 15	236,778 57
Normal schools	287,800 70	13,670 34	.....	13,670 34
Educational	935,612 38	246,895 06	532,867 60	779,762 66
Public buildings	410,857 47	284,360 01	82,540 04	366,900 05
Regulative	18,041 14	4,116 10	11,642 79	15,758 89
General	278,819 55	30,306 64	612 00	30,918 64
Total	$5,623,169 36	$1,578,222 78	$2,207,972 53	$3,786,195 31

SUMMARY OF YEAR'S WORK

There were 493 contracts and special orders in force during the year, at a total cost, including $111,081.96 in abrogated contracts, of $5,623,169.36. The face of contracts completed was $2,308,454.09, leaving a balance of contracts in force at the close of the fiscal year of $3,314,715.27.

During the year 274 contracts and orders were executed at a cost of $1,674,920, while the contracts in force on July 1, 1916, numbered 219 and amounted to $4,030,009.24, which amount included $111,081.96 worth of contracts abrogated as the result of the State's abandoning the Yorktown Heights site for a boys' training school. The net additions to these orders and contracts during the fiscal year was $29,321.98.

In the State hospital group new contracts amounting to $202,404.27 were awarded, the principal work advanced to contract being a laundry at the Binghamton State Hospital; a conduit, steam pipe lines, and water supply at the Central Islip State Hospital; employees' home at the Kings Park State Hospital, and an addition to the Livingston building at the Rochester State Hospital.

Among the charitable institutions were new contracts amounting to $510,578.94. At Letchworth Village and Thiells, contracts amounting to $245,320.16, covered four additional cottages, a storehouse and a bakery, while at the Craig Colony for Epileptics at Sonyea contracts to the sum of $123,219.88 covered the construction of two dormitories, alterations to the present cold storage plant and additions to the water supply. At the State Industrial Asylum for Feeble-Minded Women at Newark the contracts amounted to $53,984.50 and covered a boiler house and a water purification plant, while at the West Haverstraw Hospital for Crippled and Deformed Children additional contracts amounting to $52,931 were awarded for the completion of the hospital building.

PENAL INSTITUTIONS

The contracts for the penal institutions amounted to $19,608, the greater number being for the plumbing, drainage and heating of the new Tuberculosis Hospital at Clinton Prison, Dannemora.

STATE ARMORIES

The armories of the State, including the new armory for Troop H at Rochester, were awarded $108,970.80 in contracts.

There was no new construction among the normal schools except that advanced to contract for the reconstruction of the Potsdam Normal School at Potsdam.

In the educational and agricultural schools the work advanced to contract totaled $125,893.18. The chief developments were at the State School of Agriculture at Cobleskill, where $49,567.46 in contracts was awarded for the construction of a dairy building and horse barn; at Cornell University, where $35,781.12 in contracts was awarded for plant houses and additions to buildings; and at the Syracuse College of Forestry, where contracts for a power house amounted to $22,826.54.

For the public buildings in the city of Albany the Trustees of Public Buildings awarded $151,227.21 in contracts. Of this total $100,175.55 was consumed by contracts for the equipment of the new State Hall now occupied by the Court of Appeals, the fifty-five contracts and special orders for the State Hospitals consuming $41,280.87 of the remaining $51,051.66.

New contracts covering the general grouping of State institutions, historical reservations, etc., amounted to $266,251.94. The most important works were the erection of a horse exhibition building for the State fair grounds at Syracuse and a new administration, library and demonstration building at the Agricultural Experiment Station at Geneva.

SPECIAL FUND ESTIMATES

Seven hundred and sixty-two special fund estimates amounting to $1,289,218.26 and involving the preparation of plans, working sketches, details and specifications were approved by me during the year. Of these, forty-five, totaling $627,138.56, were for contracts awarded for construction work at the State hospitals, seven being at the Binghamton State Hospital, four at the Central Islip State Hospital, six at the Kings Park State Hospital, fourteen at the Brooklyn State Hospital, seven at the Manhattan State Hospital, four at the Middletown State Hospital, two at the Willard State Hospital and one at the Rochester State Hospital. The remaining estimates, 717 in number and totaling $662,079.70, were not included in contracts awarded.

The following is the number and amounts of all special fund estimates passed upon:

State Hospitals

	Estimates	Amount
Binghamton State Hospital	61	$73,910 79
Brooklyn State Hospital	72	483,134 58
Buffalo State Hospital	10	4,898 28
Central Islip State Hospital	47	47,107 66
Gowanda State Hospital	42	15,598 84
Hudson River State Hospital	18	11,394 94
Kings Park State Hospital	53	143,985 87
Manhattan State Hospital	102	75,230 79
Middletown State Hospital	27	6,810 60
Rochester State Hospital	24	38,413 75
St. Lawrence State Hospital	26	9,388 33
Utica State Hospital	5	2,051 64
Willard State Hospital	28	20,011 00
	515	$931,937 07

Charitable Institutions

	Estimates	Amount
State School for blind, Batavia.....	1	$970 57
Soldiers and Sailors' Home, Bath.....	2	6,792 26
House of Refuge for Women, Bedford..	3	3,898 45
Elmira Reformatory, Elmira.....	7	54,856 32
State Agricultural School, Industry....	1	2,920 00
Indian School, Iroquois.....	2	2,059 05
State Reformatory, Napanoch.....	2	20,041 92
Custodial Asylum, Newark.....	2	3,172 71
Reformatory, Randall's Island.....	1	4,328 50
Custodial Asylum, Rome.....	2	7,850 20
Craig Colony for Epileptics, Sonyea...	1	2,179 40
Institution for Feeble-Minded, Syracuse	1	1,244 30
Letchworth Village, Thiells.....	8	115,072 26
Hospital for Crippled Children, West Haverstraw	1	213 11
	34	$225,599 15

Prisons

	Estimates	Amount
Auburn Prison	5	$4,751 43
Clinton Prison	24	23,053 38
Dannemora State Hospital.....	38	21,478 58
Great Meadow Prison.....	107	51,886 69
Matteawan State Hospital.....	9	5,887 73
Sing Sing Prison.....	9	2,226 86
	192	$109,284 77

Miscellaneous Institutions

	Estimates	Amount
Brockport Normal School	1	$1,814 66
Buffalo Institution for Malignant Disease	2	1,155 00
State Agricultural School, Cobleskill	1	485 66
Cornell University, Ithaca	5	3,843 73
State Agricultural School, Delhi	3	10,876 57
State Normal School, Fredonia	1	480 00
State Laboratory, Guilderland	1	112 00
Niagara Falls Reservation	1	874 40
Onondaga Indian Reservation	1	830 63
Saratoga Springs Reservation	5	1,924 72
	21	$22,397 27

Résume

	Estimates	Amount
State hospitals	515	$931,937 07
Charitable institutions	34	225,599 15
State prisons	192	109,284 77
Miscellaneous institutions	21	22,397 27
Grand total	762	$1,289,218 26

NEW PROJECTS CONSIDERED

During the year one hundred eighty-eight (188) new projects were considered by the Department which involved the preparation of plans and, in the majority of cases, the sketches, working drawings and detailed specifications necessary to advance the work to contract.

The institutional and departmental work inaugurated during the year for which appropriations have been made is as follows:

Job number	Institution	Work
467	Training School for Girls, Hudson	Stokers for boilers.
468	Capitol	Filing cases, Executive Offices.
469	Onondaga Reservation	Plumbing and heating cottage.
470	Sing Sing Prison	Demolishing cell block.
471	Great Meadow Prison	New buildings, officers' cottage.
472	Capitol	Alterations in library room, Attorney-General's office.
473	Capitol	Rearranging Senate post-office financial room.
474	Thomas Indian School, Iroquois	150 horse power boiler.
475	Cornell	Investigating dairy cattle barn.
476	Morrisville	Laboratory and classroom building.
477	Kings Park	Refrigerating plant.
478	Capitol power house	Parking, grading, etc.
479	Farmingdale	Chicken house.
480	Capitol	Repainting defective surfaces, Senate judiciary room.
481	Bedford	Altering old hospital into storehouse.
482	Binghamton	Painting in chronic hospital.
483	Niagara	Wall, gateway, etc.
484	Kings Park	Reconstructing elevators.
485	Hudson	Repairs at McIntyre cottage.
486	Cobleskill	Drinking fountain, school.
487	Central Islip	Silos.
488	Central Islip	Laundry extension equipment.
489	Gowanda	Feed water heater and building.
490	Gowanda	Additional water supply.
491	Poughkeepsie	Fire escapes.
492	Ogdensburg	Piggery addition, including slaughter house.
493	Albion	Cottage.
494	Bedford	Ice house.
495	Bedford	Additional appropriation, new cottage.
496	Elmira	Pavement on parade ground.
497	Industry	Enlarging under-pass and overhead crossing.
498	Industry	Heating plant in store room.
499	Industry	Addition to dairy buildings.
500	Agricultural Building, Albany	Fire escapes.
501	Industry	Constructing roads.
502	Iroquois	Completing corridors.
503	Oxford	Water supply.
504	Randall Island	Altering and enlarging reception quarters
505	Syracuse, Feeble-Minded	Reconstructing heating system.
506	West Haverstraw	Heating solaria.
507	Haverstraw	Water tank and connections, also well.
508	Auburn	New toilet facilities.
509	Auburn	Windows in cell hall.
510	Clinton	Bake ovens.
511	Clinton	Spur tracks.
512	Dannemora Hospital	Northwest wing.
513	Dannemora Hospital	Boiler, engine, generator.
514	Matteawan Hospital	Bakery.
515	Cornell	Ceilings, partitions, etc.
516	Crown Point	Preserving Fort Frederic.
517	Dunkirk	Fish hatchery.
518	Health Department, Albany	Laboratory building.
519	Health Department, Albany	Metal equipment.
520	Niagara	Elevator and stairway.

Job number	Institution	Work
521	Geneseo	Repairs, etc.
522	Kings Park (also 313)	Nurses' home.
523	Thiells	Estimates on completing boys' group and constructing girls 'group, etc.
524	Capitol	Electric light, repairs, etc., Room 318.
525	Cobleskill	Estimates for home economics building, greenhouses, etc.
526	Albion	Estimates for disciplinary building.
527	Bath	Estimates for rebuilding Barracks H and I.
528	Capitol	Partition in speaker's lobby, Assembly.
529	Capitol	Picture moulding, Room 321.
530	Capitol	Changes in clerk's room, Court of Appeals.
531	Barge Canal	Barge Canal warehouse, Pier No. 6, New York.
532	Capitol	Quartered oak dwarf partition, Department of Excise.
533	State Hall	Sidewalks adjacent to State Hall.
534	Capitol	Swinging transoms, Rooms 518 and 520
535	Capitol	Lettering doors, Industrial Commission.
536	Troop B Armory, Albany	Improvements to site.
537	Cornell	Extensions to stock judging pavilion.
538	Capitol	Changes, Room 151.
539	Capitol	Rearrangement of Tax Department.
540	Telephone building	Filing cases, Comptroller's office.
541	Bedford	Rewiring buildings, lower campus.
542	Wingdale	Cow barn.
543	Capitol	Developing Court of Appeals rooms into committee rooms.
544	Capitol	Storm sashes about capitol.
545	Capitol	Estimates, sale of brass, Assembly chamber.
546	Capitol	Repairs to corridors.
547	Capitol	Repairs to rooms, Court of Appeals.
548	Saratoga	Interior painting and decorating, bath house.
549	Bedford	Two new cottages.
550	Capitol	Metal filing cases, engrossing room, Assembly chamber.
551	Capitol	Doorways, Bill Drafting Commission.
552	Albion	Repairing old cottage.
553	Capitol	Refurnishing Rooms 309 and 310.
554	Capitol	New floors, Rooms 211–14.
555	State Fair Grounds, Syracuse	Horse barn.
556	Capitol	New rooms in Senate corridor, fourth floor.
557	Bedford	Additional work on sewage disposal.
558	Central Islip	Estimates for added story, South Colony building.
559	D. & H. Building	Alterations in office of Miscellaneous Reporter.
560	Capitol	Map about capitol grounds.
561	Capitol	Ventilating Senate chamber.
562	Tenth Regiment Armory, Albany	Repairs to electric wiring.
563	Capitol	Changes in capitol restaurant.
564	Poughkeepsie	Additional filter.
565	Poughkeepsie	Changing water mains.
566	Poughkeepsie	New reservoirs.

Job number	Institution	Work
567	Brooklyn	Additional power plant equipment.
568	Newark	Two new boilers.
569	Newark	Stokers, repairs, etc.
570	Hudson	Stokers.
571	Brooklyn	Dining rooms, chronic hospital.
572	Brooklyn	Additional accommodations for patients.
573	Thiells	Additional central heating plant.
574	Thiells	Bridge.
575	Thiells	Underground piping, etc.
576	Thiells	Underground connections, etc.
577	Thiells	Eight cottages.
578	Thiells	Attendant's home.
579	Thiells	Service building.
580	Thiells	Assembly hall.
581	Thiells	Industrial building.
582	Farmingdale	Heating and plumbing, Mott House.
583	Farmingdale	Cow barn.
584	Farmingdale	Campus lighting system.
585	Farmingdale	Constructing walks, roads, etc.
586	Manhattan	Estimates for addition to service room, kitchen, etc.
587	Capitol	Repairs to hydraulic elevators.
588	Hudson	Hydrotherapy room, new hospital.
589	Bedford	Remodelling old laundry into cold storage, etc.
590	Bedford	Completing road to farm group.
591	Capitol	Estimates for State office building.
592	Schuyler Mansion	Stone walls, etc.
593	Brooklyn	Laundry and equipment.
594	Oxford	Garbage and hose cart shed.
595	Ogdensburg	Completing coal shed.
596	Buffalo Normal School	Filter.
597	Buffalo Normal School	Enclosing elevator walls.
598	Buffalo Normal School	Elevator.
599	Ogdensburg	Barn.
600	Newark	Cottage.
601	Health Department, Albany	Completing water supply at Guilderland farm.
602	Health Department, Albany	Mortuary and laboratory.
603	Albion	Two new boilers.
604	Albion	Finishing third floor, industrial building
605	Capitol	Partition in Room 135.
606	Kings Park	Vegetable cellar.
607	Rome	Elevator.
608	Kings Park	Extension to sewage disposal plant.
609	Capitol	Rewiring capitol.
610	Oxford	Refrigerating plant.
611	Oxford (same as 594)	Garbage and hose cart house.
612	Manhattan	Street lighting system.
613	Binghamton	Remodelling heating system.
614	Binghamton	Analytical laboratory.
615	Binghamton	Renewing electric wiring.
616	Binghamton	Sewage disposal at power plant.
617	Binghamton	Plumbing and sewage disposal at Orchard House.
618	Yonkers	Retaining walls at armory.
619	Bath	Repairs to steam plant.
620	Valatie	Repairs to barn and outbuildings.
621	Valatie	Piggery.

Job number	Institution	Work
622	Valatie	Water supply.
623	Guy Park House, Amsterdam	Repairs, etc.
624	Creedmoor	Heating existing buildings.
625	Saratoga	Addition to Ferndell plant.
626	Saratoga	Pavilion over Hathorn springs.
627	Brooklyn	Elevator in reception hospital.
628	Central Islip	Central heating and lighting plant.
629	West Haverstraw	Switch track.
630	Buffalo Malignant	Farmers' house.
631	Buffalo Malignant	Barn.
632	Capitol	Wire screens in Rooms 228, 229, 230.
633	Ogdensburg	Chimney for power house.
634	Buffalo	Sterilizer and sterilizer washer.
635	Buffalo	Repairing heating system, men's ward, main building.
636	Buffalo	Renewing wire and conduits, Wards 16, 17 and 18.
637	Manhattan	Coal and ash conveyor, power truck.
638	Kings Park	Refrigerating plant, additional appropriation.
639	Oxford	Manure pit and slaughter house.
640	Oxford	Piggery.
641	Great Meadow	Plan for barn buiklings.
642	Executive Mansion	Concrete wall.
643	Geneseo	School addition.
644	Cornell	Piggery.
645	Cornell	Packing shed.
646	U. S. Marine Hospital, Staten Island	Psychiatric division.
647	Capitol	Alterations, Rooms 310 and 314.
648	Willard	Tile floors in dining room, Sunnycroft.
649	Willard	Extending boat house.
650	Cornell	Water pipe line to plant breeding garden.
651	Cornell	Storage cellar.
652	Cornell	Storage shed, plant breeding garden.
653	Cornell	Addition to shed, plant breeding field.
654	Cornell	Additional unit for heating plant.

STATISTICAL LIST OF DRAWINGS AND SPECIFICATIONS

	CONSTRUCTION			ENGINEERING		
	Specifications	Sketches	Working drawings	Details	Specifications	Drawings
State hospitals	12	72	73	33	31	78
Charitable institutions	19	25	53	27	43	74
Prisons	7	81	30	19	21	37
Educational, general, regulative	17	54	69	55	26	38
Armories	2	8	6	11	.....	2
Public buildings	41	13	66	28	24	29
Reservations	2	15	15	4	2	2
Miscellaneous	9	33	48	43	11	35
Totals	109	301	360	220	163	295

STATE HOSPITALS

Binghamton State Hospital

At this institution plans have been made and contracts let for an addition to the laundry building necessitated by the erection of the new chronic building. They include construction, heating, plumbing and general laundry equipment.

The construction work in connection with the addition to the power house has been delayed by the failure of the contractor.

Brooklyn State Hospital

An investigation conducted a few years ago at the Brooklyn State Hospital for the Insane revealed the fact that the old main building was incapable of housing the ever-increasing number of inmates.

The dining-room situated in the basement was poorly lighted and illy ventilated, the inmates' quarters were cramped and unhygienic, and the toilet conditions not above reproach. Therefore, after the needs of the institution had been thoroughly studied, it was decided to erect a new hospital group on a plot of ground situated to the east of the present hospital.

The first building of this group to be completed was the power house. The next improvement, now being brought to completion, was the erection of a reception hospital for the accommodation of 154 patients and a chronic building for the accommodation of 440 patients.

At the present time the increased cost of materials has necessitated the omission of a portion of the building containing dormitories and day rooms for fifty patients and quarters for four attendants. When completed it will provide for 282 patients in dormitories and thirty-five in single rooms, besides quarters for four attendants and three physicians. Temporarily, or until the remainder of the building is erected, one or more of the dining-room floors may be used as dormitories and day rooms.

The cold storage building, for which contracts have been let, was planned so that the managers of the institution could take advantage of the lower prices resulting when meats and other

perishable foods are bought in large quantities. It is a two-story structure, 52 x 89, so designed that an additional story may be added at any time. The refrigerating rooms, served by a ten-ton compression, ammonia brine circulation plant, are insulated in conformance with the latest standards, with two layers of two-inch sheet cork, set in Portland cement mortar, the whole being finished with Portland cement plaster.

The Department has also prepared sketches for a laundry capable of meeting present and future institutional demands.

At the institution at Creedmoor it was considered desirable to house patients during the winter months. The Department therefore prepared plans and specifications for the installation of a heating system, the actual work to be done by institutional labor.

Central Islip State Hospital

When the plans and specifications for a building to provide additional quarters for acute patients were advertised the bids received exceeded the $200,000 authorized for the work. All bids were therefore rejected and work abandoned until further action by the State Hospital Commission.

Gowanda State Homeopathic Hospital

At the request of the board of managers of this institution a contract was made for the drilling of an artesian well. After a depth of 700 feet had been reached without meeting any marked deposit of water, the work was abandoned, and the question raised as to the advisability of attempting any further well-drilling for this institution.

King's Park State Hospital

As the bids received on the original plans and specifications for an employees' home at King's Park State Hospital were in excess of the appropriation, the Department made the necessary revisions to bring them within the appropriation. In the revision, the original building planned to accommodate 180

employees, was modified so that it now accommodates but sixty employees. It is four stories and basement and is constructed of common brick. The floor and roof construction is of reinforced concrete, while the interior walls are of terra cotta and brick.

The two wells previously contracted for and finished during the year, have given very satisfactory results.

Manhattan State Hospital

As it was found that the old power house of the Manhattan State Hospital was insufficient to adequately heat the entire institutional group, this Department, acting under the direction of the State Hospital Commission, drew plans and let contracts for a new power plant, which would fulfill the present need and at the same time be sufficiently large to meet further institutional expansion. When completed it will have five 600-horsepower water-tube boilers of the Sterling type, fed by automatic stokers from a 500-ton overhead traveling conveyor supplied bunker.

As it is intended that the new heating plant shall take over the work of the old, the Department some time ago began the connection of the two (the heating pipes radiate from the old plant which is in the center of the institutional group) by an underground sectional tile conduit. Besides providing heating facilities for the entire island the new plant will furnish all the hot water needed for domestic use.

Another improvement to be made as soon as the necessary funds are available, is the rebuilding of the coal trestle, which is unsafe in its present condition.

Under chapter 646, Laws of 1916, the Legislature appropriated $200,000 for the construction of a building with kitchen, to provide additional accommodations for disturbed patients. Subsequent to the development of the plans, however, the Hospital Commission recommended a much larger building, an appropriation for which has been asked in this year's budget.

Middletown State Hospital

As an estimate on a design for a tubercular pavilion to accommodate forty-eight patients exceeded the appropriation, it was necessary for us to reduce the size of the design and provide for the accommodation of only forty-four patients. The building is on piers, is one story in height, and is of wood, frame construction.

Rochester State Hospital

For this institution the Department has entered into contracts aggregating $21,000 for two three-story additions to the Livingston building. When completed these additions will house forty chronic patients.

CHARITABLE INSTITUTIONS

Western House of Refuge for Women, Albion

In addition to making some minor alterations in several of the old cottages, the Department has prepared plans and specifications for a cottage to accommodate two matrons and twenty-two inmates.

New York State School for the Blind, Batavia

Additional toilet facilities were installed in the main building.

New York State Soldiers and Sailors' Home, Bath

Plans and specifications were prepared for the rebuilding of the farmer's cottage destroyed some years ago by fire. When bids were called for they exceeded the appropriation, and it was necessary for us to redraw the plans so as to bring them within the appropriation limit.

New York State Reformatory for Women, Bedford Hills

At this institution a need was felt for an employees' cottage. The Department therefore developed plans and specifications for a small, two-family employees' cottage, and advertised the work. The bids received were in excess of the appropriation and the work was laid aside until new plans could be drawn.

New York State Reformatory, Elmira

The only work requiring the attention of the Department at this institution, was the repaving of the parade ground.

New York State Training School for Girls, Hudson

Complaints were made by the inhabitants of the city of Hudson concerning the soft coal smoke issuing from the Training School power house. As the installation of automatic stokers (which feed from the bottom of the furnace) would obviate this evil, the Department let contracts calling for a complete equipment of automatic stokers.

State Agricultural and Industrial School, Industry

The bids received for the erection of a boys' cottage exceeded the amount of the appropriation.

Thomas Indian School, Iroquois

At this institution the inmates are erecting a dairy building and adding to the dairy barn, plans and specifications for both works having been furnished by this Department.

New York State Custodial Asylum, Newark

As the boiler capacity of this institution was inadequate for its needs, the Department entered into contracts for two 150-horsepower tubular return boilers, and for extensive repairs and settings for the old boilers. It also contracted for a new water tank of 100,000 gallons capacity, and for a new water filter, which will make it possible to take water for the domestic hot-water service directly from the canal, thereby to a considerable extent eliminating the scales which result from the present hard water supply.

At the present time the State has no institution for women of the defective delinquent type, but distributes them among its different female institutions, the Newark Custodial Asylum taking care of about fifty. As these women are often a serious disturbing element, it is exceedingly difficult to care for them in

an institution such as the Newark Asylum, which is constructed on the dormitory system plan. For this reason, the Department has prepared plans and specifications for a building to house and care for forty-six of this type of institutional delinquents, together with six employees.

Women's Relief Corps Home, Oxford

Plans and specifications were prepared by this Department for a small addition to the kitchen building.

Rome State Custodial Asylum, Rome

Drawings were made for a concrete addition to the power house and for fireproofing the floors and stairs of "E" building.

Craig Colony for Epileptics, Sonyea

For the Craig Colony for Epileptics at Sonyea, contracts aggregating $70,975 call for two one-story brick dormitories for the west group, each to accommodate sixty patients.

As the growth of the institution made the cold storage building inadequate to meet the present demands, a $13,964 contract was awarded for the construction of an addition, and a $15,360 contract for refrigerating equipment. We also made a change in the water supply which will allow the use of soft creek water in the place of the hard spring water now being used.

New York State Hospital for the Care of Crippled and Deformed Children, West Haverstraw

Contracts aggregating $52,807 were awarded for the completion of the main hospital building at the New York State Hospital for the Care of Crippled and Deformed Children. The work to be done consists of adding an additional story to the central portion and the erection of a two-story adjoining addition. They will provide accommodation for eighty-eight children. Contracts were also awarded to the sum of $4,584 for a one-story laundry building.

PUBLIC BUILDINGS

Capitol, Albany

During the past year numerous capitol improvements were either completed or projected, the more important being the Senate post-office; partitions in the fourth story Senate corridor to provide additional office space; alterations and reconstruction in the rooms vacated by the Court of Appeals, so that they may be used by the State Departments and the legislative committees; ventilating the Senate Chamber and providing special metal furniture for the different departments.

Besides these aforementioned departmental undertakings, the engineering division prepared plans for various improvements, the most important being the rewiring of various portions of the west end to eliminate fire risks. The further expenditure of a small amount of money will complete the rewiring of the entire building.

Agricultural Hall, Albany

A new fire-escape was erected for this building.

Education Building, Albany

Shortly after this building was completed, it was found that the ice which formed on the ornamental copper duct mouldings occasioned many leaks. To overcome this difficulty, contracts have been let which call for extensive alterations in the copper roof work.

We have also prepared plans for grading, sodding and improving the grounds between the Education Building and All Saints' Cathedral.

State Hall, Albany

Designs have been made for the completion of the furnishings for the Court of Appeals, and contracts have been let for wooden and steel furniture for the reception room, attorneys' room, consultation room and judges' room.

Other items provided for by this Department are metal fly screens for all windows and doors, and an enclosure for the central telephone operator and information clerk.

Miscellaneous Departments

We have prepared drawings for filing cases and other improvements for the various State Departments occupying quarters either in the New York Telephone Company Building or the old D. and H. building.

PRISONS

Clinton Prison

In recognition of the necessity of modern and adequate facilities for the care and treatment of the State's tubercular prisoners, the Legislature made provisions for the construction of a building for this purpose at Clinton Prison, Dannemora, N. Y.

In the last annual report of this Department, reference was made to the completion of plans and specifications for this project, and I am now able to report that these buildings are nearing completion under inmate labor, the heating and plumbing only being done by contract.

The main building is arranged so as to give all rooms a southern exposure. Its main ward will accommodate 200 patients, and its advanced ward, twenty-three. Besides containing these prison wards it will also provide officers' quarters with twelve bedrooms, an operating room, laboratory, sterilization room, examination room, writing room, clerk's office, kitchen and living room.

Dannemora State Hospital

A new engine and generator was installed to take care of the additional lighting load.

Great Meadow Prison

For Great Meadow Prison the Department has prepared sketches and working drawings for a principal keeper's cottage, a dairy barn to accommodate fifty head of cattle, and a hog barn, all to be built of institutionally manufactured cement blocks.

Drawings were also made for a modern fireproof shop building, but actual construction was deferred pending other and more urgent institutional work.

Matteawan State Hospital

Plans and specifications have been completed for the new women's dining-room building authorized by the Legislature in 1916.

Sing Sing Prison

This Department has completed the surveys and has developed a plan for the rebuilding of Sing Sing Prison, which calls for the construction of modern, scientifically arranged, fireproof buildings, on the high ground just back of the present prison site. When completed, this new institutional group will provide for the housing, treatment and instruction of ten hundred and sixty men.

As the new plans call for the demolition of the present cell block, the Department has prepared drawings for the conversion of the present shop buildings into temporary prison dormitories.

Wingdale Prison

Acting under chapter 594, Laws of 1916, which authorized the sum of $1,250,000 for the construction of a new farm and industrial prison at Wingdale, this Department, after making an exhaustive study of modern prison administration, prepared sketches for a complete prison plant to accommodate 600 prisoners.

Other work done for this institutional group during the past year was the letting of contracts for a sewage disposal plant from plans and specifications approved by the State Department of Health. We are also working in cooperation with the State Department of Health and the State Engineer on plans for the water supply.

ARMORIES

Troop "H" Armory, Rochester

Contracts aggregating $100,635 were awarded for the construction of a new armory for Troop "H," First Cavalry, N. G. N. Y., at Rochester. The plans call for a drill shed 110 x 161; a stable with loft, 78 x 98; rooms for saddles, harness, wagons, field equipment, et cetera, and an administration and company section two stories high, containing about 11,800 square feet of floor space.

Yonkers Armory

Besides attending to the numerous details in connection with the new armory for Company "G," Tenth Infantry, at Yonkers, we made studies for the improving of the grounds.

NORMAL SCHOOLS

New Paltz Normal School

Chapter 640, Laws of 1916, authorized the sum of $125,000 to be spent for an addition to the State Normal School at New Paltz, such addition to include an auditorium to seat 1,200 persons and a study room to seat 400. At the present date the preliminary sketches are made and the working drawings nearly completed.

Potsdam Normal School

Under an additional appropriation of $75,000 (chapter 181, Laws of 1917) for the reconstruction of buildings at the State Normal and Training School at Potsdam, this Department prepared plans and specifications for extending the north and south ends of the main building, thereby adding twelve class rooms.

MISCELLANEOUS

Schoharie State School of Agriculture, Cobleskill

For the Schoharie State School of Agriculture, Cobleskill, the Department prepared plans and specifications and let contracts for a dairy building and a combination dairy and horse barn, with silo.

The two stories and basement dairy building, 44 x 76 feet, is of brick, with reinforced concrete floor construction, granolithic and linoleum floor finish, and ordinary timber roof and ceilings. The basement contains the boiler room, storage room, toilet room and a reserved room to house a future laundry. On the first floor is the cream separating room, the butter-working room, the cheese-working room, the cheese-curing room, a milk-testing laboratory, a sample-testing laboratory, a sterilizing room and a wash room, while on the second floor are two class rooms, an office, a dark room and a bacteriological laboratory.

The horse and dairy barn is a one-story and loft building, with concrete foundation walls and a wooden superstructure.

Cornell University

Work on the new drill hall was continued throughout the year with the result that the building is rapidly nearing completion.

At the New York State College of Agriculture contracts were let for continuing the work on the underground steam mains in connection with the central heating plant, and plans and specifications were prepared for an experimental cattlebarn; for a decorative plant greenhouse; for a piggery and sheds for the department of pathology, and for additions to the stock-judging pavilion and forestry building.

New York State School of Agriculture on Long Island, Farmingdale

Plans and specifications were prepared and contracts awarded for a horse barn, hog houses and poultry houses for the New York State School of Agriculture, Farmingdale.

New York Agricultural Experiment Station, Geneva

Plans and specifications were prepared and contracts aggregating $82,731 let for a demonstration, library and administration building for the New York Agricultural Experiment Station at Geneva. Much time and study was devoted to the planning of this building and it is hoped it will be a model of its kind.

New York State School of Agriculture, Morrisville

For this school we developed plans and specifications for a two-story and basement laboratory and class room building, 56 x 94 feet, with a one-story 17 x 93 feet extension. In the basement will be butter and cheese-making rooms, a milk-testing laboratory, a cheese-curing room, a butter storage room, a wash room, a locker and toilet room, and a boiler room; on the first floor will be offices, two class rooms and a library, while on the second floor there will be a class room, a bacteriological laboratory, a chemical laboratory, a private laboratory, a household and

advanced chemistry laboratory, a work room, a supply room, a dark room, and a toilet room.

The specifications call for a brick building with reinforced concrete floor construction, fireproof interior partitions, and a roof of the ordinary timber type.

New York State Fair Grounds, Syracuse

One of the most efficient achievements of the Department during the past year was the construction of the horse exhibition building provided by chapter 45, Laws of 1917 (reappropriated by chapter 181, Laws of 1917), which provided $200,000 for the erection of a horse exhibition building on the State Fair Grounds at Syracuse.

Sketches were made and approved, working drawings and specifications prepared, and contracts awarded in the early part of April, 1917.

As it was desirable that this building be completed in time for the annual State Fair, this Department gave the contractor every assistance in obtaining prompt transportation of materials and efficient supervision of work, with the result that the State was able to use the building for horse exhibition purposes during the State Fair which began September 10, 1917.

This building, which has been used since the close of the fair by a cavalry division, contains 128 box and 292 open stalls, as well as ample conveniences for both exhibitors and the public.

State Department of Health, Albany

The present laboratory of the State Department of Health, established in 1902 for the preparation of antitoxins and the making of diagnostic examinations for the physicians and health officers of the State, has carried on its work under the most trying conditions. Reorganized on a larger scale in 1914, the amount of work was tripled by 1916 and increased by more than five hundred per cent in 1918 without, at the same time, any improvements having been made in the unsanitary and unsatisfactory quarters afforded by a brick barn and a small frame house with lean-to addition. A conference was therefore held with the Com-

missioner of Health and estimates made and submitted to the Legislature, which appropriated the sum of $100,000 for the construction of a modern laboratory building.

As no public health laboratories had been previously constructed to provide for the varied phases of work undertaken by the Division of Laboratories and Research, a committee was appointed to study the laboratories of various institutions with the view of incorporating the desirable features of each into the new laboratory building. Visits were made to the new laboratories of the Massachusetts Institute of Technology, and Harvard University at Cambridge; to the Medical School at Longwood, Massachusetts; to the new research laboratory of the Rockefeller Institute; to the pathological laboratory of Bellevue Hospital; to the chemical laboratories of City College, New York, and to the research chemical laboratories of the Crucible Steel Company. On these visits, Mr. Newton and Mr. Nichols of the State Architect's office and Dr. Wadsworth of the Laboratory, profited by conference with many experts, notably Professor William T. Sedgwick of the Massachusetts Institute of Technology, Professor Harold C. Ernst, Professor W. R. Benedict, and Professor T. W. Richards of Harvard University, Mr. Henry James and Mr. Edric B. Smith of the Rockefeller Institute, Dr. Charles Norris of Bellevue Hospital and Professor Charles Baskerville of the City College.

As a result of the information and suggestions obtained regarding laboratory construction, it was apparent that the plans for the new building would require an assemblage and adaptation of these various units into an entirely new arrangement, the problems of a large public health laboratory differing very materially from those of purely educational and research institutions. Provision had to be made for the most advanced work in bacteriology, chemistry and physics; for a large volume of routine examinations of samples and specimens; and for the distribution of supplies to health officers and physicians of the State.

The problem as developed from the unit plan did not materially differ from that of other buildings and laboratories, but the proper distribution of the mechanical equipment, gas, electricity, vacuum, pressure, steam, and the arrangement of heating and refrigerating devices offered a somewhat perplexing engineering problem, many

changes and adaptations being necessary in the original plans. As these changes delayed the advancement of the work to contract, the rise in the price of materials due to the present war, caused the bids received to exceed the $75,000 appropriation. The construction plans will be redrawn and it is expected that there will be no trouble in letting this portion of the work with the funds now available. Additional funds will be necessary to cover the cost of the mechanical equipment.

Conservation Commission

For the State Fish Hatchery at Dunkirk, plans and specifications were made and contracts let for a fish hatchery building. For the State Reservation at Saratoga Springs, we prepared the necessary sketches and working drawings for altering and adding to Hathorn Spring House, for a pavilion on Hathorn Spring No. 3, and for an addition to the Ferndell bottling plant.

In Cooperation with Other Departments

The Department of Architecture prepared sketches and drawings for the architectural features of the barge canal terminal at Pier 6, New York city.

DEVELOPMENT OF HISTORICAL PLACES

The amount of work required of the Department in connection with hospitals, charitable institutions and armories, curtailed much of the proposed preservation and restoration work on State historical reservations, it being only possible to make necessary repairs, and to complete work for which drawings had been made and contracts let.

Crown Point Reservation

As the further preservation of the ruins of the old French Fort of St. Frederic could be left until the coming year, the Department has done nothing in the way of preservation beyond that which I described in my last report. Owing to the fact that repairs to the southeast portion of Fort Amherst, the English fort, were started late in the fall, they have not been entirely

completed, although the stone work has been repaired as far the emergency necessitated. The pump house is now finished ar the water supply equipment permanently located, thus insurir an abundant supply of pure water for the use of thousands visitors who yearly flock to this reservation.

Schuyler Mansion

The restoration of the Schuyler Mansion in Albany, describe in my last report, has now been completed, the dedication exe cises having been held on October 17, 1917. The plans an specifications which have been prepared for the ground improv ments, include the rebuilding of the old stone wall on the Catl erine street side, and a new gateway, while for the rear of th house an approach, lawns, and a driveway are being conten plated, which will attempt to reproduce the old carriageway an approach indicated on early drawings and maps. On the corne of Clinton and Catherine streets it is planned to improve th appearance of the grounds by constructing a new main entranc with stone steps, which will do away with the present moder and unsightly wooden stairway. On the Clinton street side th stone wall and the board fence will be replaced by a new wall surmounted by a simple iron fence. Directly in front of th center of the house, the wall will be raised to form a backgroun for a bronze memorative tablet which will contain a history o the Schuyler Mansion. These changes, together with the erectio of a flag-pole and a few necessary landscape additions, will ad much to the dignity and appearance of this old and historic home

Sir William Johnson Mansion

At the Sir William Johnson Mansion, Johnstown, N. Y., nothing has been done toward restoring the rooms occupied a living quarters by the caretaker. The new caretaker's cottage is however, now ready for occupancy, and the restoration of th rooms formerly given over to the caretaker will be undertaken i the immediate future.

Governor Clinton House

The repairs and restorations necessary in connection with the Governor Clinton House at Poughkeepsie were not started this year. The revision of the plans and specifications has been begun and contracts will be let in the near future.

General Herkimer House

Owing to the existing conditions and to the small amount of money available, the construction of a caretaker's cottage for the General Herkimer Home at Danube, near Little Falls, N. Y., was not undertaken during the past year.

Guy Park House

The Guy Park House, situated on the north bank of the Mohawk, about one mile west of the city of Amsterdam, was acquired by the State in connection with the land purchased in 1907 for the barge canal. In May, 1917, an appropriation was made to as far as possible restore it to its original appearance. After this restoration has been accomplished, it will be turned over to the Amsterdam Chapter of the Daughters of the American Revolution as an historical museum. It was erected between 1765–1775 by Guy Johnson, a nephew and son-in-law of the famous Sir William Johnson, and was occupied by him until the beginning of the Revolution, when it went out of the possession of the family. Later, between 1845–1850 extensive changes were made in conformance with the requirements of the time. These changes, although they allowed the retention of many of the old outlines, greatly changed the appearance of the house as a whole. As in recent years the house has been unoccupied except by the engineers and contractors who used it in connection with the construction of the barge canal, it is now in an exceedingly unkempt condition and the question of restoration cannot be undertaken until the investigatory and research work now going on has been completed. As this work is now well under way, I believe that the work of restoration may be undertaken during the coming year.

Statistical Report of the Department of Architecture for the Fiscal Year ending June 30, 1917

Statistical Report of the Department of Architecture for the Fiscal Year ending June 30, 1917

Financial Statement for the Fiscal Year Ending June 30, 1917

Payrolls from July 1, 1916, to June 30, 1917:

July, 1916	$12,518 00
August, 1916	12,815 22
September, 1916	12,936 51
October, 1916	13,205 34
November, 1916	13,342 66
December, 1916	13,185 66
January, 1917	13,249 15
February, 1917	13,336 51
March, 1917	13,361 82
April, 1917	13,175 87
May, 1917	13,120 66
June, 1917	12,217 08
Total	$156,464 48

Appropriated by chap. 646, Laws of 1916, Part I.	$173,190 00
Paid July 1, 1916, to June 30, 1917	156,464 48
Balance June 30, 1917	$16,725 52

MAINTENANCE AND OPERATION

July, 1916	$1,506 13
August, 1916	1,864 63
September, 1916	2,822 37
October, 1916	3,207 77
November, 1916	2,385 76
December, 1916	2,186 89
January, 1917	1,447 90
February, 1917	2,173 08
March, 1917	2,391 98
April, 1917	1,565 08
May, 1917	3,473 64
June, 1917	2,002 24
Total	$27,027 47

Appropriated by chap. 646, 1916, Pt. I.....	$25,400 00
Appropriated by chap. 725, 1915, balance.....	2,622 61
Appropriated by chap. 181, 1917, Pt. II.....	4,000 00
	$32,022 61
Paid from July 1, 1916, to June 30, 1917.....	27,027 47
Balance June 30, 1917.....	$4,995 14

RECAPITULATION

Office maintenance	$156,464 48
Maintenance and operation	27,027 47
Total	$183,491 95

Statement of Contracts in Force, Contracts Completed, and Certificates Issued on Contracts During the Fiscal Year July 1, 1916, to June 30, 1917, Inclusive

State Hospitals

Binghamton State Hospital, Binghamton, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Chronic	Construction	Durolithic Co.	$159,700 00	$26,807 32
		Addition	2,968 22	
			162,668 22	
		Deduction	3,188 60	
			159,479 62	
*Chronic	Heating	R. T. Ford Co.	19,737 00	
		Deduction	115 00	
			19,622 00	1,037 00
*Chronic	Bumpers for toilets	Peter Keeler Building Co.	60 00	
*Chronic	Lock keys	Lockwood Co.	6 26	
Chronic	Plumbing and drainage	Peter Keeler Building Co.	13,122 00	
		Addition	82 50	
			13,204 50	
		Deduction	50 00	
			13,154 50	2,478 60
Chronic	Electric	N. Y. Construction Co.	6,315 00	
		Addition	558 00	
			6,873 00	
		Deduction	8 84	
			6,864 16	1,236 31
Chronic	Painting walls, etc.	A. E. Kurchhoff	5,500 00	5,500 00
*Boiler plant addition	Construction	Benedict Beck	9,847 00	
		Deduction	135 00	
			9,712 00	4,100 40
*Boiler plant addition	Heating	Gaylord Engineering & Construction Co.	17,893 00	9,017 52
Power house	Construction	James C. Nolan	†8,780 00	
Chronic	Hardware	Lockwood Co.	1,538 00	
		Addition	43 50	
			1,581 50	1,581 50

* An asterisk indicates that contract was in force June 30, 1917.

† Refused to sign contract.

Building	Work	Contractor	Contract	Certificates issued
Electric light system	New boiler stack, etc.....	Flood & Van Wirt Co...	$19,500 00	
		Addition	272 80	
			19,772 80	
		Deduction	292 78	
			19,480 02	$3,523 02
*Laundry.....	Construction.....	A. E. Badgley.....	15,937 00	
*Laundry.....	Heating.....	R. T. Ford Co.....	2,990 00	
*Laundry.....	Equipment.....	American Laundry Machinery Co.....	7,919 00	
*Laundry.....	Plumbing and drainage...	R. T. Ford Co.....	1,800 00	

Buffalo State Hospital, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Water softening plant.....	Construction.....	International Filter Co.	$5,969 00	
		Deduction	19 20	
			5,949 80	
*Boiler plant.....	Heating.....	Johnston Heating Co...	11,363 00	$3,595 50
*Water softening plant.....	Insurance.....	Rose & Kiernan.....	1 20	
Sewers	Renewing lines.....	Kelly & Wheeler.....	6,295 00	
		Deduction	150 00	
			6,145 00	1,072 61

Brooklyn State Hospital, Brooklyn, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Chronic.....	Construction.....	W. F. Plass & Bro., Inc.	$172,900 00	
		Addition	3,218 61	
			176,118 61	
		Deduction	2,577 00	
			173,541 61	$41,304 56
*Chronic.....	Heating.....	Johnston Heating Co.	34,931 00	14,152 50
*Chronic.....	Plumbing and drainage...	Peter Keeler Building Co.....	19,422 00	
		Addition	55 00	
			19,477 00	5,887 10
*Chronic	Electric.....	United Electric Construction Co.....	7,490 00	
		Addition	525 00	
			8,015 00	3,723 00
*Chronic.....	Hardware.....	Lockwood Co.....	3,296 00	
*Reception.....	Plumbing and drainage...	John J. Kenney Co., Inc.	17,232 00	8,444 75

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
*Reception	Construction	P. F. Kenny Co.	$138,800 00	
		Addition	11,147 90	
			149,947 90	
		Deduction	2,054 00	
			147,893 90	$85,503 54
*Reception	Electric	United Electric Construction Co.	3,645 00	
		Addition	372 00	
			4,017 00	1,693 20
*Reception	Heating	Edward Joy Co.	16,485 00	
		Deduction	40 00	
			16,445 00	5,100 00
*Reception	Hardware	Lockwood Co.	2,469 00	
		Deduction	6 16	
			2,462 84	
*Power house	Boiler equipment, etc.	A. Winternitz	66,000 00	
		Addition	77 68	
			66,077 68	
		Deduction	1,339 02	
			64,738 66	
Power house	Insurance	Rose & Kiernan	47 46	47 46
Power house	Insurance	I. Seidemann	138 49	138 49
*Power house	Removing ashes	James Fennimore	60 00	
Power house	Electric equipment, underground conduit	Lewis H. Woods	8,890 00	1,490 75

Central Islip State Hospital, Central Islip, N. Y.

Building	Work	Contractor	Contract	Certificates issued
	Conduit and steam pipe line	W. B. Armstrong Co.	$19,940 00	
		Deduction	75 00	
			19,865 00	$16,480 00
*Water Supply	New wells	A. J. Connolly	4,800 00	
		Deduction	30 00	
			4,770 00	
Water supply	New wells	A. J. Connolly	4,800 00	
		Addition	419 72	
			5,219 72	5,219 72

Gowanda State Hospital, Gowanda, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Water supply	New wells	Artesian well & Supply Co.	$1,800 00	

* An asterisk indicates that contract was in force June 30, 1917.

Kings Park State Hospital, Kings Park, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Employees home..	Construction.....	McKeown Construction Co.....	$71,379 00	$2,061 25
*Employees home..	Heating.....	W. B. Armstrong Co.	6,767 00	
*Employees home..	Electric.....	Commercial Construction Co.....	2,662 00	
*Employees home..	Plumbing and drainage ..	Thos. E. O'Brien.....	10,093 00	
*Cottages 1, 3 & 4...	Construction.....	Maurice Mead.....	72,000 00	
		Addition	4,932 15	
			76,932 15	
		Deduction	865 94	
			76,066 21	14,316 55
Cottages 1, 3 & 4....	Heating.....	W. B. Armstrong Co...	5,531 00	4,851 00
Cottages 1, 3 & 4...	Electric.....	Isidor Fajans.....	1,179 00	
		Deduction	8 00	
			1,171 00	852 25
Cottages 1, 3 & 4...	Hardware.....	Lockwood Co.....	419 00	419 00
Cottages 1, 3 & 4...	Dead locks.....	Lockwood Co.....	45 60	45 60
Additional Accom...	Plumbing.....	Arthur S. Gaynor Co...	7,381 00	
		Addition	861 00	
			8,242 00	
		Deduction	22 00	
			8,220 00	3,613 00
*Water supply.....	New wells.....	A. J. Connolly.....	3,995 00	
		Addition	165 00	
			4,160 00	

Manhattan State Hospital, Ward's Island,

Building	Work	Contractor	Contract	Certificates issued
*200 Patient building	Heating.....	Walker & Chambers...	$16,200 00	
		Addition	25 00	
			16,225 00	$3,421 25
150 & 200 Patient buildings.....	Painting.....	H. Portnof, Inc.....	3,777 00	3,777 00
*Power plant.....	Heating.....	W. B. Armstrong Co...	41,200 00	
		Addition	312 11	
			41,512 11	
		Deduction	160 00	
			41,352 11	34,374 00
*Power plant.....	Plumbing and drainage...	R. T. Ford Co.....	2,793 00	
		Addition	544 87	
			3,337 87	1,736 44
*Power plant.....	Repairing fire alarm.....	Gamewell Co.....	76 05	
*Power plant.....	Electric.....	Jandous Electric Equipment Co.....	2,250 00	782 00

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
*150 Patient building	Heating	Walker & Chambers	$11,425 00	$1,057 40
150 Patient building	Construction	Emerson Building Co.	118,500 00	
		Addition	355 00	
			118,855 00	
		Deduction	1,614 20	
			117,240 80	29,828 50
150 Patient building	Plumbing and drainage	James Harley Plumbing Co.	11,879 00	
		Addition	101 00	
			11,980 00	
		Deduction	47 20	
			11,932 80	3,295 95
150 Patient building	Electric	Lewis H. Woods	5,043 00	
		Deduction	8 01	
			5,034 99	3,424 24
150 Patient building	Hardware	Lockwood Co.	1,290 00	
		Addition	47 00	
			1,337 00	1,337 00
200 Patient building	Construction	Emerson Building Co.	141,000 00	
		Addition	1,105 60	
			142,105 60	
		Deduction	2,555 20	
			139,550 40	42,680 91
200 Patient building	Plumbing and drainage	James Harley Plumbing Co.	10,074 00	
		Addition	323 18	
			10,397 18	
		Deduction	59 64	
			10,337 54	4,569 61
200 Patient building	Electric	Jandous Electric Equipment Co., Inc.	5,825 00	
		Addition	62 00	
			5,887 00	
		Deduction	1 00	
			5,886 00	4,752 10
200 Patient building	Hardware	Lockwood Co.	1,120 00	
		Addition	36 00	
			1,156 00	1,156 00
Power house	Construction	Harby, Abrons & Melius	62,835 00	
		Addition	183 98	
			63,018 98	
		Deduction	404 73	
			62,614 25	31,963 24

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
Fire alarm system ..	Construction.....	C. & M. Construction Co.....	$9,564 79	
		Deduction	242 80	
			9,321 99	$2,984 55
Fire alarm system ..	Insurance.....	Rose & Kiernan.....	123 30	123 30
*Power plant	Heating.....	Walker & Chambers...	89,720 00	
		Addition	200 00	
			89,920 00	
		Deduction	488 28	
			89,431 72	65,607 25

Middletown State Hospital, Middletown, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Power house.....	Construction.....	Peter Keeler Building Co.....	$6,822 00	
		Addition	275 51	
			7,097 51	
		Deduction	14 00	
			7,083 51	$1,595 24
*Power house.....	Heating.....	R. T. Ford Co.....	74,393 00	
		Addition	117 00	
			74,510 00	
		Deduction	130 00	
			74,380 00	6,303 60
*Power house.....	Electric.....	Buffalo Electric Co.....	3,972 00	
		Deduction	30 00	
			3,942 00	3,312 45
*Power house.....	Heating.....	Gillis & Geoghegan....	9,985 00	8,419 25
Power house.....	Plumbing.....	R. T. Ford Co.....	2,087 00	
		Addition	75 00	
			2,162 00	768 00
Power house.....	Insuranc.....	Rose & Kiernan.....	30 00	30 00

Rochester State Hospital, Rochester, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Livingston building, addition.....	Construction.....	W. F. Martens & Co...	$21,100 00	
*Livingston building, addition.....	Heating.....	R. T. Ford Co.....	3,778 64	
*Livingston building, addition.....	Electric.....	O'Connell Electric Co...	748 00	

* An asterisk indicates that contract was in force June 30, 1917.

Willard State Hospital, Willard, N. Y.

Building	Work	Contractor	Contract	Certificates issued
	Fire escapes	Wander Iron Works	$5,600 00	
		Deduction	17 27	
			$5,582 73	$4,515 20

CHARITABLE INSTITUTIONS

Western House of Refuge

Building	Work	Contractor	Contract	Certificates issued
*Sprague cottage	Repairs, etc	H. C. Belson	$469 00	
*Boyd cottage	Repairs, etc	H. C. Belson	470 00	
*Hart cottage	Repairs, etc	H. C. Belson	470 00	
Sewer system	Alterations	E. Franklin Clarke	2,040 00	
		Addition	327 10	
			2,367 10	
		Deduction	5 00	
			2,362 10	$456 32

School for the Blind

Building	Work	Contractor	Contract	Certificates issued
*School	Additional toilets, etc., construction	John Lennon Co	$1,535 00	$629 00
*School	Additional toilets, etc, plumbing	Volz—Secord Co., Inc.	924 50	
Hospital alterations, etc	Construction	A. Friederich & Sons Co.	12,299 00	
		Deduction	175 00	
			12,124 00	2,357 93
Hospital alterations, etc	Electric	Wheeler-Green Electric Co.	417 00	417 00
Hospital alterations, etc	Plumbing and drainage	Burns Bros	3,221 00	
		Addition	24 50	
			3,245 50	632 17

State Reformatory for Women

Building	Work	Contractor	Contract	Certificates issued
Sewerage and disposal plant additions, etc	Construction	Briante Construction Co.	$37,993 00	
		Addition	189 00	
			38,182 00	
		Deduction	7,788 75	
			30,393 25	$5,768

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
Feeder cables, electric wiring.....	Underground feeders, etc..	Commercial Construction Co.....	$2,771 00	
		Addition	182 00	
			2,953 00	$764 25
*Rewiring buildings	Electric.....	T. Frederick Jackson, Inc.....	4,065 00	
Boiler house.....	Piping and conduit.....	Gillis & Geoghegan....	37,900 00	
		Addition	1,352 06	
			39,252 06	
		Deduction	427 60	
			38,824 46	6,012 71
Cottages in farm group.....	Reconstructing door openers.....	Lockwood Co.....	423 00	
		Deduction	22 50	
			400 50	400 50
Boiler house.....	Insurance.....	Rose & Kiernan.....	19 80	19 80

State Training School for Girls

Building	Work	Contractor	Contract	Certificates issued
Contagious hospital.	Heating wards.....	Walker & Chambers...	$865 00	$349 90
*Contagious hospital	Heating outside.....	J. J. Horan & Co.....	4,912 00	
		Deduction	1,001 00	
			3,911 00	3,911 00
Contagious hospital.	Electric.....	Murphy & Walsh.....	231 00	
		Deduction	4 00	
			227 00	154 75
Contagious hospital.	Electric.....	N. Y. Construction Co.	1,409 00	
		Deduction	17 50	
			1,391 50	1,391 50
Hospital.....	Construction.....	Simon Russek, Inc	54,935 00	
		Addition	304 50	
			55,239 50	
		Deduction	1,957 66	
			53,281 84	8,934 45
Hospital.....	Heating.....	Walker & Chambers...	3,680 00	
		Addition	73 00	
			3,753 00	2,036 00
Hospital.....	Outside plumbing drainage	Burns Bros.....	1,269 00	
		Addition	45 00	
			1,314 00	321 58

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
Hospital	Electric elevator	Houser Elevator Co.	$2,430 00	$581 25
Hospital	Hardware	Lockwood Co.	1,836 00	
		Addition	74 00	
			1,910 00	1,910 00
Hospital	Plumbing and drainage	C. F. Mentsinger's Son	5,478 00	
		Addition	46 00	
			5,524 00	
		Deduction	2 50	
			5,521 50	1,396 45
*Hospital	Electric	Peet & Powers	2,900 00	
		Addition	92 25	
			2,992 25	
		Deduction	12 00	
			2,980 25	1,416 2[illegible]
*Boiler house	Stokers	Underfeed Stoker Co.	2,749 00	
*Boiler house	Stokers	Underfeed Co.	2,300 00	
Administration building	Repairs	James Ackroyd & Son	2,638 00	2,638 00
†Ice house	Razing	M. J. Jackson & Son Co.	300 00	
	Electric conduits, outside connections	Isidor Fajans	4,782 00	
		Addition	246 25	
			5,028 25	
		Deduction	3 00	
			5,025 25	5,025 25
Chapel	Electric	N. Y. Construction Co.	453 00	
		Addition	75 00	
			528 00	528 00

State Agricultural and Industrial School

Building	Work	Contractor	Contract	Certificates issued
Hospital alterations, etc.	Construction	John H. Waight	$5,900 00	
		Addition	541 50	
			6,441 50	$1,656 00
Hospital alterations	Plumbing and drainage	D. A. Alexander Co.	1,120 00	267 62
Hospital alterations	Heating	D. A. Alexander Co.	978 00	
		Addition	96 00	
			1,074 00	341 07

* An asterisk indicates that contract was in force June 30, 1917.

† Work not executed — appropriation lapsed.

Letchworth Village

Building	Work	Contractor	Contract	Certificates issued
*Cottages E, F, G and and H	Construction	Kelly & Kelley, Inc.	$112,500 00	
		Addition	8,147 86	
			120,647 86	
*Cottages E, F, G and H	Plumbing and drainage	R. T. Ford Co.	17,366 00	
*Cottages E, F, G and H	Heating	Adams, Brits & Co.	25,841 00	
*Cottages E, F, G and H	Electric	W. H. Straut Co.	3,730 00	
*Cottages E, F, G and H	Electric	Mack & Mack	2,498 00	
*Cottages E, F, G and H and storehouse	Expert services	Werner Nygren	Percentage 6 percent	$2,000 00
*Laundry	Construction	Harriman Industrial Corporation	22,315 00	
		Addition	232 00	
			22,547 00	
		Deduction	122 50	
			22,424 50	8,935 20
*Laundry	Heating	J. J. Horan & Co.	4,482 00	
		Addition	122 00	
			4,604 00	2,115 00
*Laundry	Plumbing and drainage	Peter Keeler Building Co.	2,415 00	
		Addition	107 50	
			2,522 50	1,068 87
*Laundry	Hardware	Sargent & Co.	98 69	
*Laundry	Equipment	Troy Laundry Machinery Co., Ltd	3,278 00	376 12
*Laundry	Conduit and wiring	W. H. Straut Co.	45 00	
		Additional	30 00	
			75 00	
*Attendants home	Construction	H. N. Vought & Co.	35,619 00	
		Addition	525 00	
			36,144 00	
		Deduction	662 50	
			35,481 50	21,396 79
*Attendants home	Plumbing and drainage	John J. Kenney Co.	5,500 00	3,747 10
*Attendants home	Heating	J. J. Horan & Co.	6,134 00	
		Addition	277 99	
			6,411 99	1,530 00
*Attendants home	Hardware	Sargent & Co.	768 54	
		Addition	13 49	
			782 03	

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
Attendants home...	Electric.....	W. H. Straut Co.....	$669 00	$669 00
*Service building...	Construction.....	W. H. Vought & Co...	36,973 00	
		Deduction	232 55	
			36,740 45	22,495 35
*Service building...	Plumbing, drainage, refrigeration.....	John J. Kenney Co....	7,433 00	5,979 82
*Service building...	Heating.....	J. J. Horan & Co.....	7,482 00	
		Addition	69 24	
			7,551 24	5,044 75
*Service building...	Electric.....	W. H. Straut Co.....	517 00	
		Addition	105 00	
			622 00	204 00
*Service building...	Hardware.....	Sargent & Co.....	309 30	
*Storehouse bakery, etc.....	Construction.....	George T. Kelly.....	38,888 00	
		Deduction	1 20	
			48,886 80	3,655 00
*Storehouse, bakery, etc.....	Plumbing, drainage.....	John J. Kenney Co....	4,914 00	
*Storehouse, bakery, etc.....	Electric.....	Mack & Mack.....	1,865 00	
*Alterations etc., to dam.....	Construction.....	Jacob W. Holler.....	4,645 00	
*Sewer system.....	Sanitary.....	Chas. Dykins, Jr.....	5,700 00	
		Addition	406 50	
			6,106 50	4,336 27
*Two bridges.....	Construction.....	Erie R. R. Co.....	(Not to exceed) $11,000 00	
*Underground connections.....	Sanitary.....	R. T. Ford Co.....	8,745 00	
	Expert services.....	Nygren, Tenney & Ohmes. Assigned Jan. 17, to Werner Nygren.....	Percentage 6 percent	
	Expert services.....	Werner Nygren.....	Percentage 6 percent	
Cottages A, B, C, D	Heating.....	Blake & Williams.....	$17,587 00	
		Addition	104 00	
			17,691 00	
		Deduction	7 50	
			17,683 50	3,210 55
Cottages A, B, C, D	Electric.....	Isidor Fajans.....	5,625 00	
		Addition	436 60	
			6,061 60	1,516 22

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
Central heating plant	Equipment	Blake & Williams	$44,988 00	
		Addition	260 00	
			45,248 00	
		Deduction	246 50	
			45,001 50	$7,926 20
	Expert assistants	Nygren, Tenney & Ohmes	Percentage 6 percent	973 81

Eastern New York Reformatory

Building	Work	Contractor	Contract	Certificates issued
*Hospital	Steel and iron stairs	Montour Steel Co.	$9,461 00	$6,648 70
Hospital	Steel Sash	Montour Steel Co.	740 00	740 00

State Custodial Asylum for Feeble-Minded Women

Building	Work	Contractor	Contract	Certificates issued
*Boiler house addition	Construction	E. J. Forbes & Son	$34,294 00	
		Addition	330 25	
			34,624 25	
		Deduction	41 60	
			34,582 65	$23,777 81
*Boiler house addition	Heating	W. B. Armstrong Co.	26,945 00	
		Addition	272 75	
			27,217 75	16,273 25
*Power house	Engine dynamo	T. Frederick Jackson, Inc.	3,441 00	816 85
*Boiler house	New boilers	W. B. Armstrong Co.	14,378 00	
*Boiler house	Repairs to old boilers	Wm. F. Devendorf Co.	5,598 00	
*Boiler house	Heating stokers and piping	Wm. F. Devendorf Co.	13,898 00	
*92 Inmate cottage	Heating	R. T. Ford Co.	6,637 00	
		Deduction	21 00	
			6,616 00	707 20
*Water purification plant	Construction, etc.	Norwood Engineering Co.	12,980 00	
		Deduction	127 50	
			12,852 50	
*Water tower	Sanitary	Pittsburg-Des Moines Steel Co.	7,083 00	
		Addition	175 00	
			7,258 00	4,779 55

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
92 Patient cottage..	Construction.....	O. E. Schuman.....	$43,516 00	
		Addition	50 00	
			43,566 00	
		Deduction	775 00	
			42,791 00	$6,474 19
92 Patient cottage..	Electric.....	Conduit Electric Co...	1,476 00	
		Addition	18 30	
			1,494 30	1,147 50
Hospital.....	Construction.....	Austin W. Summers...	40,498 00	
		Addition	41 00	
			40,539 00	
		Deduction	1,453 60	
			39,085 40	5,533 05
Hospital.....	Plumbing and drainage...	Barr & Creelman Co...	4,590 00	
		Addition	10 00	
			4,600 00	753 75
Hospital.....	Electric.....	O'Connell Electric Co..	985 00	
		Deduction	2 00	
			983 00	320 00
Hospital.....	Insurance.....	Rose & Kiernan.....	2 00	2 00
Conduits sewers....	Outside plumbing.....	P. J. Sullivan Co.....	859 00	
		Addition	42 84	
			901 84	138 68

Women's Relief Corps Home

Building	Work	Contractor	Contract	Certificates issued
*Sewage disposal plant.....	Construction.....	Nash & Griffen.....	$4,565 00	
		Addition	277 90	
			4,842 90	$3,307 27
*Water supply.....	Construction.....	Suburban Engineering Co.....	3,396 00	
		Deduction	10 00	
			3,386 00	1,402 50

Rome Custodial Asylum

Building	Work	Contractor	Contract	Certificates issued
*Dormitory building	Construction.....	George Baker Long....	$88,500 00	
		Addition	14,156 32	
			102,656 32	
		Deduction	950 00	
			101,706 32	$12,705 94

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
*Dormitory building	plumbing and drainage...	R. T. Ford Co.....	$9,973 00	
		Addition	937 51	
			10,910 51	$4,376 99
*Dormitory building	Heating.....	R. T. Ford Co.....	18,767 00	
		Addition	942 00	
			19,709 00	6,409 00
*Dormitory building	Electric.....	Langdon & Hughes Electric Co.....	3,663 00	595 00
*Dormitory building	Hardware.....	Wardwell Hardware Co.	1,790 00	
		Addition	23 00	
			1,813 00	
Dormitory building.	Tunnel.....	F. S. Conkling.....	9,486 00	
		Deduction	25 00	
			9,461 00	9,461 00

Craig Colony

Building	Work	Contractor	Contract	Certificates issued
*Dormitories 2 and 3	Construction.....	Curran & Swartout....	$52,500 00	$14,042 65
*Dormitories 2 and 3	Plumbing and drainage..	R. T. Ford Co.....	8,739 00	
*Dormitories 2 and 3	Heating.....	R. T. Ford Co.....	7,261 00	
*Dormitories 2 and 3	Electric.....	A. J. Buerlein.....	2,475 00	
*Cold storage plant alterations etc....	Construction.....	Leo J. Held.....	10,889 00	
		Addition	119 88	
			11,008 88	
		Deduction	22 00	
			10,986 88	5,494 80
*Cold storage plant alterations.....	Plumbing and drainage ..	R. T. Ford Co.....	2,027 00	820 25
*Cold storage plant alterations.....	Equipment.....	Karl Vesterdahl & Co..	13,510 00	
*Cold storage plant alterations.....	Electric.....	A. J. Beuerlein.....	1,048 00	
*Cold storage plant alterations.....	Refrigeration equipment..	Karl Vesterdahl.....	1,850 00	
*Water supply addition etc.....	Construction.....	Clarence A. Foote.....	20,683 00	
*Water supply addition etc.....	Heating.....	C. A. Foote.....	1,962 00	
*Water supply addition.....	Electric.....	A. J. Beuerlein.....	178 00	
Central power and heating plant....	Engines, generators, etc...	Beeler Engineering Co..	8,030 00	
		Addition	3,023 00	
			11,053 00	2,065 27

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
*Central power and heating plant....	Boilers, steam apparatus, etc.....	Gaylord Engineering and Construction Co.	$20,973 00	
		Addition	49 00	
			21,022 00	
		Deduction	32 80	
			20,989 20	$4,597 59

Hospital for Crippled and Deformed Children

Building	Work	Contractor	Contract	Certificates issued
Hospital	Construction.....	N. R. Valkenburgh....	$29,770 00	
		Addition	22 55	
			29,792 55	
		Deduction	581 00	
			29,211 55	$9,304 30
Hospital.....	Heating.....	Teran, Mahaney & Munro, Inc.....	1,695 00	
		Addition	75 00	
			1,770 00	800 28
Hospital..... ..	Hardware.....	Lockwood Co.....	410 00	
		Addition	7 57	
			417 57	417 57
Hospital.....	Electric.....	Highlands Electric Co..	595 00	
		Addition	13 30	
			608 30	455 30
*Hospital.....	Plumbing and drainage...	Joseph F. Egan.....	2,799 00	930 75
*Hospital.....	Hot water boiler.....	Ethelbert Benson.....	124 00	
*Completing hospital	Construction.....	William H. Egan.....	41,923 00	
*Completing hospital	Plumbing and drainage ..	Joseph F. Egan.....	5,465 00	
*Completing hospital	Heating.....	Conkling, Kerber & Hanlon.....	4,625 00	
*Completing hospital	Electric.....	W. H. Straut Co.....	794 00	

State Training School for Boys

Building	Work	Contractor	Contract	Certificates issued
†Seven cottages....	Construction.....	Central Building Co...	$79,900 00	
		Addition	6,465 96	
			86,365 96	
		Deduction	350 00	
			86,015 96	$11,237 26

* An asterisk indicates that contract was in force June 30, 1917.

† Contract abrogated

Building	Work	Contractor	Contract	Certificates issued
†Seven cottages....	Heating.....	R. T. Ford Co.....	$12,947 00	
		Addition	25 00	
			12,972 00	$6,547 00
†Seven cottages....	Plumbing and drainage ..	R. T. Ford Co.....	11,943 00	
		Addition	151 00	
			12,094 00	5,511 04
Seven cottages.....	Hardware.....	Lockwood Co.....	1,365 00	
		Addition	16 50	
			1,381 50	
		Deduction	18 13	
			1,363 37	1,363 37
Power house.....	Construction.....	Callanan & Prescott...	20,270 00	
		Addition	14,704 00	
			34,974 00	5,246 81
Seven cottages.....	Electric.....	Mack & Mack.....	2,099 00	
		Deduction	1,197 80	
			901 20	310 45

PRISONS

Clinton Prison

Building	Work	Contractor	Contract	Certificates issued
*Tuberculosis hospital.....	Plumbing and drainage...	G. S. Blodgett Co.....	$7,299 00	
		Deduction	240 00	
			7,059 00	
*Tuberculosis hospital.....	Hardware.....	Lockwood Co.....	1,709 00	
*Tuberculosis hospital.....	Heating.....	Nash & Mead.....	8,565 00	
		Deduction	600 00	
			7,965 00	$3,846 25

Dannemora State Hospital

Building	Work	Contractor	Contract	Certificates issued
Northwest wing, hospital.....	Steel and iron work.....	Buffalo Structural Steel Co.....	$3,569 00	$3,569 00
Boiler house.....	Engine and generator..	Ames Iron Works.....	2,875 00	2,875 00
Northwest wing, hospital.....	Steel guards and doors....	Van Dorn Iron Works Co.....	3,047 00	3,047 00

* An asterisk indicates that contract was in force June 30, 1917.
† Contract abrogated

Great Meadow Prison

Building	Work	Contractor	Contract	Certificates issued
Cell building, south wing	Construction	A. Pasquini	$277,800 00	
		Addition	2,819 59	
			280,619 59	
		Deduction	1,057 43	
			279,562 16	$1,281 82

Sing Sing Prison

Building	Work	Contractor	Contract	Certificates issued
Power house	Boilers, steam apparatus, piping	Blake & Williams	$31,380 00	
		Addition	675 76	
			32,055 76	
		Deduction	55 00	
			32,000 76	$5,135 86
Power house	Plumbing and drainage	Burns Bros	2,259 00	414 20
		Deduction	106 55	
			2,152 45	

ARMORIES

Troop B Armory, Albany

Building	Work	Contractor	Contract	Certificates issued
*Armory site	Grading, drainage	George Holler	$5,450 00	
		Addition	1,305 00	
			6,755 00	$4,868 13
Armory	Electric	Frost & Sheldon	2,261 00	
		Addition	468 00	
			2,729 00	
		Deduction	400 00	
			2,329 00	169 15

Troop H Armory — Rochester

Building	Work	Contractor	Contract	Certificates issued
Armory	Construction	R. T. Ford Co.	$86,330 00	
		Addition	245 86	
			86,575 86	$19,054 52

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contr ctor	Contract	Certificates issued
*Armory.....	Plumbing and drainage ..	F. S. Conkling.....	$6,925 00	
		Addition	85 00	
			7,010 00	$2,401 25
*Armory.....	Heating.....	Wm. F. Devendorf....	4,993 00	
*Armory.....	Electric.....	Wheeler-Green Electric Co.....	2,387 00	

Troop G Armory, Yonkers

Building	Work	Contractor	Contract	Certificates issued
*Armory.....	Construction.....	Kelly Construction Co.	$74,707 00	
		Addition	5,166 37	
			79,873 37	
		Deduction	912 00	
			78,961 37	$53,729 66
*Armory.....	Plumbing and drainage ..	P. F. Kenny Co.....	5,800 00	
		Addition	276 95	
			6,076 95	2,411 70
*Armory.....	Heating.....	A. B. Barr & Co. Inc...	5,100 00	
		Addition	10 00	
			5,110 00	
		Deduction	17 00	
			5,093 00	2,146 35
*Armory.....	Electric.....	Isidor Fajans.....	2,480 00	
		Addition	137 00	
			2,617 00	854 25
*Armory.....	Hardware.....	Lockwood Co.....	560 00	

Troop I Armory, Buffalo

Building	Work	Contractor	Contract	Certificates issued
Armory.....	Construction.....	C. H. Everitt.....	$111,565 00	
		Addition	11,333 07	
			122,898 07	
		Deduction	1,000 00	
			121,898 07	$20,360 57
Armory	Plumbing and drainage ..	James J. Bresnahan. ..	8,485 00	
		Addition	760 00	
			9,245 00	
		Deduction	252 40	
			8,992 60	1,593 35

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
Armory	Heating	R. T. Ford Co.	$5,497 00	
		Addition	492 00	
			5,989 00	
		Deduction	10 00	
			5,979 00	$1,142 50
Armory	Electric	O'Connell Electric Co.	2,800 00	
		Addition	750 00	
			3,550 50	
		Deduction	193 50	
			3,357 00	1,903 50
Armory	Hardware	Weed & Co.	775 00	775 00
Armory	Metal Covering	C. H. Everitt	690 00	690 00

New York State Armory, Albany

Building	Work	Contractor	Contract	Certificates issued
Armory	Electric	Alpha Electric Construction Co.	$1,483 00	
		Addition	12 50	
			1,495 50	
		Deduction	20 00	
			1,475 50	$1,475 50

NORMAL SCHOOLS

Potsdam Normal School

Building	Work	Contractor	Contract	Certificates issued
*New building	Construction	Bradley & Weed, Inc.	$237,400 00	
		Addition	183 70	
			237,583 76	$13,670 34
*New building	Heating	R. Gildea	30,000 00	
*New building	Electric	Jandous Electric Equipment Co.	6,775 00	
*New building	Plumbing and drainage	John J. Kenney Co.	13,442 00	

EDUCATIONAL

Schoharie State School of Agriculture

Building	Work	Contractor	Contract	Certificates issued
Dairy and horse barn	Construction	Edgar Johnston	$13,490 00	
		Addition	133 58	
			13,623 58	
		Deduction	151 75	
			13,471 83	$11,183 00

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
*Dairy and horse barn	Finishing, hardware	Lockwood Co.	$97 00	
		Addition	6 10	
			103 10	
*Dairy and horse barn	Plumbing and drainage	Conkling, Kerber & Hanlon	1,695 00	
		Addition	180 00	
			1,875 00	$1,585 25
*Dairy and horse barn	Electric	Finch & Hahn	574 00	
*Dairy building	Construction	Bame & Cardell	25,342 00	
		Addition	1,003 26	
			26,345 26	
*Dairy building	Heating	R. T. Ford Co.	1,881 27	
*Dairy building	Plumbing and drainage	R. T. Ford Co.	3,472 00	
*Dairy Building	Electric	Finch and Hahn	1,845 00	

Cornell University

Building	Work	Contractor	Contract	Certificates issued
*Palm and decorative plant house	Construction	Lord & Burnham Co.	$2,640 00	
		Addition	85 00	
			2,725 00	$1,028 92
*Palm and decorative plant house	Heating and plumbing	Lord & Burnham Co.	848 00	
*Palm and decorative plant house	Electric	Davis-Brown Electric Co., Inc.	98 50	
*Addition to forestry building	Construction	Edward Sprigg	1,297 52	
		Deduction	16 90	
			1,280 62	583 73
*Alterations and additions to stock judging pavilion	Construction	W. D. McElwee	3,098 00	283 90
Drill Hall	Structural steel	Seneca Engineering Co.	68,500 00	
		Addition	592 85	
			69,092 85	13,252 85
Drill Hall	Hardware	C. J. Rumsey & Co.	989 58	
		Addition	197 42	
			1,187 00	1,187 00
*Drill Hall	Heating work, underground mains	J. W. Danforth Co.	21,927 00	
		Addition	241 00	
			22,168 00	
		Deduction	150 79	
			22,017 21	2,317 10

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
*Drill Hall	Construction	Eastern Concrete Stoel Co.	$199,750 00	
		Addition	7,051 38	
			206,801 38	
		Deduction	9,364 69	
			197,436 69	$50,975 09
*Drill Hall	Plumbing and drainage	R. T. Ford Co.	12,537 00	
		Addition	264 00	
			12,801 00	
		Deduction	15 00	
			12,786 00	3,846 25
*Drill Hall	Electric	Isidor Fajans	9,698 00	4,024 75
*Underground conduits	Heating	John W. Danforth Co.	24,000 00	17,714 05
*Plant buildings	Architectural services	Green & Wicks	Percentage	
Sheep barn	Construction	W. D. McElwee	2,544 00	2,544 00

State School of Agriculture and Domestic Science

Building	Work	Contractor	Contract	Certificates issued
*Dairy barn	Construction	Benedict Beck	$17,443 00	
		Addition	910 00	
			18,353 00	$5,053 25
*Dairy barn	Plumbing and drainage	H. S. Graham & Sons	2,885 00	1,020 00
*Dairy barn	Electric	Edward Joy Co.	526 00	
Dairy building	Construction	J. F. Growe Construction Co.	22,475 00	
		Addition	18 04	
			22,493 04	
		Deduction	452 00	
			22,041 04	3,703 95
Dairy building	Heating	R. T. Ford Co.	7,967 00	
		Addition	87 00	
			8,054 00	
		Deduction	15 00	
			8,039 00	1,770 25

State School of Agriculture on Long Island

Building	Work	Contractor	Contract	Certificates issued
Dormitory building	Construction	Frank Sibenaler	$29,724 00	
		Addition	115 48	
			29,839 48	
		Deduction	700 80	
			29,138 68	$4

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
Dormitory building.	Plumbing.....	Joseph F. Egan.....	$4,963 00	
		Addition	22 00	
			4,985 00	$1,108 24
	Walks, curbing, etc.....	Delta Contracting Co., Inc.....	3,662 17	2,472 59
*Hog houses.....	Construction.....	Smith & Beierling.....	1,475 00	569 50
Horticulture agronomy and director's residence.....	Plumbing.....	McKenna Bros.....	3,376 00	
		Addition	63 50	
			3,439 50	
		Deduction	6 00	
			3,433 50	723 28
	Sewerage and sewage disposal plant.....	Briante Construction Co., Inc.....	44,387 00	
		Deduction	9,026 00	
			35,361 00	5,559 31
Boiler plant.....	Insurance.....	I. Seidemann.....	186 50	186 50
*Horse barn.....	Construction.....	Smith & Beierling.....	3,868 00	
Central heating and lighting plant....	Boiler plant and conduit..	A. Winternitz.....	103,000 00	
		Addition	206 53	
			103,206 53	
		Deduction	475 93	
			102,730 60	
Director's residence.	Heating.....	Peter Kesler Building Co.....	890 00	
		Deduction	25 00	
Garage.....	Construction, drainage		865 00	210 50
	and water supply.....	Victor B. Hess.....	1,452 00	363 15
Boiler plant.....	Insurance.....	Rose & Kiernan.....	67 83	67 83
Boiler plant.....	Insurance.....	Rose & Kiernan.....	70 04	70 04
Boiler plant.....	Insurance.....	Rose & Kiernan.....	113 05	113 05
Horticulture and agronomy buildings.....	Insurance.....	Rose & Kiernan.....	38 51	38 51
Horticulture and agronomy.....	Insurance.....	Rose & Kiernan.....	2 55	2 55
Greenhouses.....	Construction.....	S. Jacobs & Sons.....	2,821 00	
		Addition	680 00	
			3,501 00	3,501 00
Greenhouses.....	Heating.....	S. Jacobs & Sons.....	1,046 00	
		Addition	134 00	
			1,180 00	1,180 00
Greenhouses.....	Plumbing.....	S. Jacobs & Sons.....	265 00	265 00
Central heating and and power plant..	Insurance.....	Rose & Kiernan.....	9 90	9 90
Chicken house.....	Construction.....	Smith & Beierling.....	2,325 00	
		Deduction	25 00	
			2,300 00	2,300 00

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Syracuse College of Forestry, Syracuse University

Building	Work	Contractor	Contract	Certificates issued
College building....	Construction.....	G. DeKimpe.....	$207,500 00	
		Addition	1,965 49	
			209,465 49	
		Deduction	2,791 00	
			206,674 49	$47,057 56
College building....	Hardware.....	Lockwood Co.....	21 50	21 50
*College building...	Heating.....	W. E. Lape, assigned to U. S. Fidelity and Guaranty Co.....	12,597 00	
		Addition	87 00	
			14,684 00	
		Deduction	10 00	
			14,674 00	8,559 16
*College building...	Electric.....	Edward Joy Co.....	5,418 00	
		Addition	1,662 86	
			7,080 86	4,175 86
College building....	Gas service.....	Syracuse Lighting Co..	200 00	200 00
College building....	Panels—rotunda.....	R. G. Waring.....	400 00	400 00
College building....	Plumbing and gas fitting.	John R. Walsh.....	9,280 00	
		Addition	739 21	
			10,019 21	
		Deduction	65 00	
			9,954 21	4,471 76
Power house.....	Construction.....	James T. Young.....	7,789 00	
		Addition	376 54	
			8,165 54	8,165 54
Power house.....	Electric.....	E. Joy Company.....	227 00	227 00
Power house.....	Plumbing and drainage...	E. Joy Company.....	791 00	791 00
*Power house.....	Heating.....	Leavery Heating & Ventilating Co.....	12,968 00	
		Addition	275 00	
			13,243 00	7,483 80

Onondaga Indian Reservation

Building	Work	Contractor	Contract	Certificates issued
*Teachers' cottage..	Heating.....	Leavery Heating & Ventilating Co.....	$538 00	$368 05
*Teachers' cottage	Plumbing.....	Kelsey Heating Co. Inc.	425 00	
		Deduction	9 75	
			15 25	181 [illegible]

* An asterisk indicates that contract was in force June 30, 1917.

New York Institution for Deaf-Mutes

Building	Work	Contractor	Contract	Certificates issued
*Annex to Kindergarten building...	Construction.....	Benedict Beck.....	$18,994 00	
		Addition	1,941 00	
			20,935 00	
		Deduction	350 00	
			20,585 00	$13,644 62
*Annex to kindergarten building...	Heating.....	Frank H. Monaghan...	1,583 00	
		Addition	124 61	
			1,707 61	1,297 95
*Annex to kindergarten building...	Plumbing and drainage...	Frank H. Monaghan...	1,530 00	
		Deduction	10 00	
			1,520 00	739 50
*Annex to kindergarten building...	Electric.....	E. Joy Company.....	594 00	
		Addition	196 00	
			790 00	
*Annex to kindergarten building...	Finishing hardware.....	Lockwood Co.....	344 00	

St. Lawrence University

Building	Work	Contractor	Contract	Certificates issued
Shop building.....	Construction.....	J. D. Flack.....	$1,775 00	
		Addition	118 00	
			1,893 00	$384 25
*Shop building.....	Additional alterations....	J. D. Flack.....	2,484 00	
		Addition	85 00	
			2,569 00	
		Deduction	75 00	
			2,494 00	2,170 90
*Shop building.....	Heating gymnasium.....	Barnes & Smithers.....	225 00	
*Shop building.....	Changing switchboard....	Canton Electric Light & Power Co.....	154 15	
		Addition	86 07	
			240 22	

* An asterisk indicates that contract was in force June 30, 1917.

PUBLIC BUILDINGS

State Capitol, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Capitol	Electric fixtures, rooms 139, 140, 141	Alpha Electric Co.	$89 00	$89 00
Capitol	Repairing corridor, third floor	Benedict Beck	274 00	274 00
Capitol	Repairs excise department	C. H. Brainard & Co.	547 00	
		Addition	190 00	
			737 00	737 00
Capitol	Painting walls, room 139	C. H. Brainard & Co.	97 00	
		Addition	210 00	
			307 00	
		Deduction	142 50	
			164 50	164 50
Capitol	Electric, West wing	Finch & Hahn	696 00	696 00
Capitol	Electric fixtures, rooms 135, 136, 137, and 138	E. Joy Co.	168 50	168 50
Capitol	Electric, Supt. of public works	Edward F. Joy	1,382 15	
		Addition	25 00	
			1,407 15	
		Deduction	25 00	
			1,382 15	1,382 15
Capitol	Construction, repairs	M. Kantrowits	1,848 00	
		Addition	143 00	
			1,991 00	
		Deduction	25 00	
			1,966 00	651 00
Capitol	Skylights, rooms 444 and 445	W. F. Plass & Bro., Inc	900 00	900 00
Capitol	Heating executive offices	J. R. Sheehan Co.	585 00	
		Deduction	5 00	
			580 00	580 00
Capitol	Steel lockers for legislative employees	Van Dorn Iron Works	787 61	
		Deduction	50 00	
			737 61	737 61
Capitol	Executive Offices, moving lavatories	A. J. Eckert Co.	12 50	12 50
Capitol	Bronze registers, third story	Tiffany Studios	2,700 00	
		Deduction	24 00	
			2,676 00	2,676 00
Capitol	Hardware, Senate chamber	Albany Hardware and Iron Co.	4 00	4 00

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
Capitol	Steel safe, Assembly document room	Albany Hardware and Iron Co.	$18 00	$18 00
*Capitol	Electric, room 309	Alpha Electric Construction Co.	223 00	
*Capitol	Electric, Superintendent of Prisons' office	Alpha Electric Construction Co.	1,783 00	
		Addition	70 50	
			1,853 50	973 25
Capitol	Electric outlet, Senate chamber	Alpha Electric Construction Co.	22 50	22 50
Capitol	Electric, Attorney-General's office	Alpha Electric Construction Co.	237 00	
		Addition	143 00	
			380 00	380 00
Capitol	Electric, Senate postoffice	Alpha Electric Construction Co.	483 00	483 00
Capitol	Electric, room 113	Alpha Electric Construction Co.	111 50	111 50
Capitol	Rearranging Senate postoffice, etc.	Bame & Cardell	2,097 00	2,097 00
Capitol	Storm sash, rooms 332 and 333	Bame & Cardell	530 00	530 00
Capitol	Governor's office, glazing panels	James Blocksidge	14 44	14 44
Capitol	Desk for legislative correspondents' room	Brown, Curtis & Brown	50 00	50 00
Capitol	Judge's bench	Feeney & Sheehan Building Co.	203 69	203 69
*Capitol	Construction, room 609A	J. H. Harrigan	2,200 00	1,292 00
*Capitol	Electric, room 609A	Finch & Hahn	225 00	225 00
Capitol	Electric, room 318	Finch & Hahn	125 00	125 00
Capitol	Plumbing, room 609A	J. L. Fitzgerald	2,380 00	2,380 00
Capitol	Heating, room 609A	Noel Pelletier	800 00	800 00
*Capitol	Repairs, Attorney-General's office	Russell & Boyd	4,237 00	
		Addition	596 00	
			4,833 00	3,150 50
*Capitol	Reconstruction of former court room 315	Fred V. Russell	5,572 00	1,997 50
*Capitol	Electric, room 315	T. F. Jackson, Inc.	3,489 00	
		Addition	312 00	
			3,801 00	2,571 25
*Capitol	Heating, room 315	M. J. Hawkins	397 00	
Capitol	Heating, Attorney-General's office	Noel Pelletier	340 00	340 00
Capitol	Removing conduits, room 315	T. F. Jackson	20 00	20 00
Capitol	Alterations, rooms 4141, 416	M. Kantrowitz	975 00	975 00
*Capitol	Electric, rooms 414, 415, 416	Edward Joy Co.	1,746 00	

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Building	Work	Contractor	Contract	Certificates issued
Capitol	Construction, Superintendent of Prisons' office	J. J. Kelly & Son	$3,433 45	
		Addition	255 00	
			3,688 45	
		Deduction	64 00	
			3,624 45	$3,624 45
Capitol	Plumbing, Superintendent of Prisons	J. L. Fitzgerald	560 00	
		Deduction	28 00	
			532 00	532 00
Capitol	Lettering on door of Industrial Commission	John H. Harrigan	30 00	30 00
Capitol	Lighting fixtures, room 151	Havens Electric Co., Inc	60 00	60 00
Capitol		Havens Electric Co., Inc	9 51	9 51
Capitol	Chair, Attorney-General's office	Helmes Bros	15 00	15 00
Capitol	Linoleum, shades, etc., Hospital Commission	John Horn & Sons	181 00	181 00
Capitol	Removing wood enclosure, Senate	P. Keeler Building Co.	100 00	100 00
Capitol	Construction work, Senate chamber	P. Keeler Building Co.	372 00	372 00
Capitol	Revolving doors, Senate chamber	P. Keeler Building Co.	1,982 00	
		Addition	18 00	
			2,000 00	2,000 00
Capitol	Services as electrician	J. B. Marsh	14 00	14 00
Capitol	Repairs, room 318	G. W. Rogers	202 00	
		Deduction	8 00	
			194 00	194 00
Capitol	Repainting Senate judiciary room	G. W. Rogers	65 00	65 00
Capitol	Parcel post bag rack, Assembly mailing department	H. H. Shults Co., Inc.	6 00	6 00
*Capitol	Directory boards for Industrial Commission	G. Spalt & Son, Inc.	130 00	
Capitol	Bust of Lincoln for legislative library	The Van Heusen Charles Co.	300 00	300 00
Capitol	Clock for legislative library	The Van Heusen Charles Co.	125 00	125 00
Capitol	Rug for Senator Adler's room	W. M. Whitney & Co.	50 00	50 00
Capitol	Desk, Attorney-General	W. M. Whitney & Co.	78 50	78 50
Capitol	Desk light, Attorney-General's office	W. M. Whitney & Co.	6 88	6 88
Capitol	Carpet, rooms 414, 415, 416	W. M. Whitney & Co.	924 95	

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Building	Work	Contractor	Contract	Certificates issued
Capitol	Mirror, legislative correspondents's room	W. M. Whitney & Co.	$10 00	$10 00
Capitol	Partition room 242	Bame & Cardell	210 00	210 00
*Capitol	Screen, room 309	Bame & Cardell	428 00	
Capitol	Re-locating Senate bulletin board, etc	Bame & Cardell	8 45	8 45
*Capitol	Partition, room 135, State Treasurer	Feeney & Sheehan Building Co	182 00	
*Capitol	Book shelving, rooms 337A and 337B	Watson Mfg. Co	1,776 00	
*Capitol	Filing cases, room 345	Watson Mfg. Co	428 00	
*Capitol	Clock for reporters' room	The Western Union Telegraph Co	12 00	
Capitol	Plate glass for desk, Senate	Wm. DeyErmand Co	3 00	3 00

Assembly Chamber

Building	Work	Contractor	Contract	Certificates issued
Assembly postoffice	Electric	Alpha Electric Co	$23 00	$23 00
Assembly chamber	Moving steel cases	Art Metal Const. Co	19 00	19 00
Assembly mailing dept	Repairs, painting room 151	Bame & Cardell	529 60	529 60
*Assembly chamber	Partition back of Speakers' lobby	Feeney & Sheehan Bldg. Co	193 00	
*Assembly chamber	Two steel desks, Clerk	The General Fireproofing Co	387 00	
Assembly chamber	Chairs	Helmes Bros	298 00	298 00
Assembly chamber	8 Chairs, Ways and Means Committee rooms	Helmes Bros	216 00	216 00
Assembly chamber	18 Chairs	Helmes Bros	243 00	243 00
Assembly chamber	Furniture	C. F. Rattigan	176 89	176 89
Assembly chamber	Desk, chair and table	The Van Heusen Charles Co	205 00	205 00

Senate Chamber

Building	Work	Contractor	Contract	Certificates issued
Capitol	Electric	Alpha Electric Co	$1,583 00	$785 50
Capitol	Electric fixtures	Black & Boyd Mfg. Co	2,800 00	2,800 00

Education Building

Building	Work	Contractor	Contract	Certificates issued
Education building	Painting	F. C. Schaible	$54 33	$54 33
*Education building	Lumber	F. F. Crannell Lumber Co	111 59	111 59
Education building	Mural decorations	Will H. Low	30,000 00	1,517 71
Education building	Finishing rooms	Fuller & Co., Inc	7 38	7 38
Education building	Roof work	Tri-City Sheet Metal & Roofing Co	1,380 00	1,380 00

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State Hall

Building	Work	Contractor	Contract	Certificates issued
State hall	Construction, repairs	Feeney & Sheehan Bldg. Co.	$162,000 00	
		Addition	10,391 05	
			172,391 05	
		Deduction	1,160 50	
			171,230 55	$123,242 95
*State hall	Heating	J. R. Sheehan Co.	13,911 00	
		Addition	1,533 31	
			15,444 31	
		Deduction	14 00	
			15,430 31	7,665 73
*State hall	Electric	E. Joy Co.	9,753 00	
		Addition	3,365 02	
			13,118 02	7,587 53
State hall	Plumbing and drainage	E. Joy Co.	6,568 00	
		Addition	1,203 12	
			7,771 12	5,943 62
*State hall	Electric elevators	Wheeler-McDowell Elevator Co.	5,900 00	5,015 00
t ate hall	Metal furniture	Art Metal Construction Co.	38,872 00	38,872 00
State hall	Changing elevators	Art Metal Construction Co.	15 20	15 20
State hall	Lockers	Art Metal Construction Co.	121 33	121 33
State hall	Altering shelving	Art Metal Construction Co.	60 80	60 80
State hall	Hardware, room 305	Albany Hardware & Iron Co.	23 25	23 25
State hall	Door check	Albany Hardware & Iron Co.	8 80	8 80
State hall	Carting safes, etc.	Albany Trucking & Storage Co.	51 50	51 50
State hall	Cartage	Albany Trucking & Storage Co.	107 25	107 25
State hall	Moving pictures	Albany Trucking & Storage	35 00	35 00
State hall	Changing portraits	Annesley & Co.	50 00	
		Addition	38 00	
			88 00	88 00
State hall	2 Filing cases	Art Metal Construction Co.	497 95	497 95
State hall	Painting safes	James Blocksidge	17 12	17 12
State hall	Lavatory accessories	Wm. DeyErmand Co.	1,025 00	1,025 00
State hall	Glass shelves, etc.	Wm. DeyErmand Co.	190 00	190 00
State hall	Electric fixtures	Finch & Hahn	1,198 00	1,198 00
State hall	Coloring glass panels	Finch & Hahn	98 00	98 00
State hall	Moving furniture, records, etc.	Frederick Bros.	1,108 24	1,108 24

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Building	Work	Contractor	Contract	Certificates issued
State hall	688 Masda Lamps	Havens Electric Co., Inc.	$556 18	$556 18
State hall	Wooden furniture	Helmes Bros.	1,947 00	
		Deduction	21 00	
			1,926 00	1,926 00
State hall	Interior finish and decorations	Herts Brothers Co.	27,950 00	
		Addition	12 45	
			27,962 45	
		Deduction	112 00	
			27,850 45	27,850 45
State hall	Carpet	Herts Brothers Co.	998 00	998 00
State hall	Re-painting shutters	S. Hyman	24 00	24 00
State hall	Numbering doors	S. Hyman	33 00	33 00
State hall	Assembling 44 desk lamps	E. Joy Co	15 00	15 00
State hall	Cork tile floors, library	David E. Kennedy, Inc.	2,366 00	2,366 00
State hall	Hardware	Norwalk Lock Co.	1,448 00	
		Addition	31 00	
			1,479 00	1,479 00
State hall	Finishing chairs, tables etc	T. F. Rattigan	412 14	412 14
State hall	Coat and hook rack	G. Spalt & Sons, Inc.	92 00	92 00
State hall	Window shades	W. M. Whitney & Co.	279 00	279 00
State hall		W. M. Whitney & Co.	70 90	70 90
State hall	24 Chairs	W. M. Whitney & Co.	57 60	57 60
State hall	Elevator door, locks and bars	Albany Hardware & Iron Co.	25 00	25 00
State hall	Door checks	Albany Hardware & Iron Co.	15 60	15 60
State hall	Steel butts for doors	Albany Hardware & Iron Co.	6 98	6 98
*State hall	Materials for Judge Hiscock's room	Art. Metal Construction Co.	4 80	
		Addition	1 00	
			5 80	
*State hall	Additional metal equipment	Art Metal Construction Co.	3,960 00	
*State hall	Chair and table	Helmes Bros.	45 75	
State hall	Desk, chair, etc	Helmes Bros	149 00	149 00
*State hall	5 Mahogany chairs	Helmes Bros.	137 50	
*State hall	Rental of furniture	Helmes Bros.	30 00	
*State hall	Leather chair	Helmes Bros.	38 00	
State hall	Furniture	Helmes Bros.	4,876 00	4,876 00
State hall	Double desk	Helmes Bros.	13 50	13 50
State hall	Coat wardrobe	Helmes Bros.	47 50	47 50
*State hall	Storm sash, room 305	Wm. H. Marsh	44 00	
*State hall	12 brass poles	J. G. Myers Co.	307 00	
State hall	Window draperies	J. G. Myers Co.	3,544 90	
		Addition	168 00	
			3,712 90	3,712 90

* An asterisk indicates that contract was in force June 30, 1917.

Building	Work	Contractor	Contract	Certificates issued
State hall	Hardware	Norwalk Lock Co.	$4 06	$4 06
State hall	Filing equipment	F. D. Sargent	219 00	219 00
*State hall	Typewriter table	Underwood Typewriter Co.	40 00	
		Deduction	4 00	
			36 00	
*State hall	Furniture	J. Wanamaker	6,507 50	
		Addition	125 00	
			6,632 50	
*State hall	Stenographers' chairs	W. M. Whitney & Co.	25 50	
State hall	Oak desk	Yawman & Erbe Mfg. Co.	137 25	137 25

New Capitol Power House

Building	Work	Contractor	Contract	Certificates issued
*Power house	Fencing, grading and sodding	Franken Ornamental Iron Works	$4,487 00	$935 00
*Power house	Sidewalk repairs	The R. T. Ford Co.	343 00	
*Power house	Gillage on caissons	The R. T. Ford Co.	175 00	

Agricultural Hall

Building	Work	Contractor	Contract	Certificates issued
Building	Construction, alterations	John M. Collins	$873 00	$873 00
*Building	Fire escapes	E. H. Titchener & Co.	1,463 00	

REGULATIVE

State Institute for the Study of Malignant Disease

Building	Work	Contractor	Contract	Certificates issued
*Gratwick Laboratory	Heating, ventilating	Republic Engineering Const. Co.	$8,567 00	
		Addition	180 99	
			8,747 99	
		Deduction	19 00	
			8,728 99	

Quarantine Station

Building	Work	Contractor	Contract	Certificates issued
Animal building	Construction, drainage	P. Wolff & Sons	$6,191 00	
		Addition	358 00	
			6,549 00	
		Deduction	9 00	
			6,540 00	

* An asterisk indicates that contract was in force June 30, 1917.

84226

Building	Work	Contractor	Contract	Certificates issued
Animal building....	Plumbing, drainage and gas piping.....	W. F. O'Keefe & Son...	$570 00	
		Addition	22 15	
			592 15	
		Deduction	8 00	
			584 15	$323 20

Health Department

Building	Work	Contractor	Contract	Certificates issued
Laboratory Farm...	Rock excavation, water supply.....	T. J. Radley Co., Inc..	$1,798 00	$1,798 00
Laboratory Farm...	Rock excavation, water supply.....	T. J. Radley Co. Inc...	390 00	390 00

GENERAL

Letchworth Park

Building	Work	Contractor	Contract	Certificates issue
	*Electric plant.....	Salisbury Wheel & Mfg. Co.....	$415 00	

Schuyler Mansion

Building	Work	Contractor	Contract	Certificates issued
Mansion.....	Hardware.....	Albany Hardware & Iron Co.....	$83 90	
		Addition	11 00	
			94 90	
		Deduction	11 00	
			83 90	$83 90
Mansion.....	Hardware.....	Albany Hardware & Iron Co.....	8 27	8 27
Mansion.....	Construction, repairs.....	M. Kantrowits.....	4,535 00	
		Addition	663 44	
			5,198 44	5,198 44
Mansion.....	Painting and decorating..	M. Kantrowits.....	890 00	890 00
Mansion.....	Heating.....	J. R. Sheehan Co.....	823 00	211 00
*Mansion.....	Driveway, catch basin, etc.	George Holler.....	485 00	
*Mansion.....	Flag pole.....	M. G. Stoneman & Son	226 20	
*Mansion.....	Latches and handles.....	Wm. F. Winter.....	26 25	

* An asterisk indicates that contract was in force June 30, 1917.

Sir William Johnson Mansion

Building	Work	Contractor	Contract	Certificates issued
*Caretaker's cottage	Construction	Eli J. Miller	$3,090 47	
		Deduction	141 00	
			2,949 47	$2,494 48
*Caretaker's cottage	Plumbing and drainage	W. Lynes & Son	1,160 00	
		Deduction	10 85	
			1,129 15	633 25
*Caretaker's cottage	Heating	W. Lynes & Son	325 00	
		Deduction	15 00	
			310 00	
*Caretaker's cottage	Electric	H. W. Jansen	172 53	
*Caretaker's cottage	Hardware	Lockwood Co.	97 00	
		Addition	2 50	
			99 50	

Saratoga Reservation

Building	Work	Contractor	Contract	Certificates issued
*Lincoln bath house	Dressing rooms	W. J. Case & Son, Inc.	698 00	

State Fair Grounds, Syracuse

Building	Work	Contractor	Contract	Certificates issued
*Horse exhibition building	Structural steel	Syracuse Engineering Co.	$25,460 00	
		Addition	3,939 00	
			29,399 00	
*Horse exhibition building	Construction	Feeney & Sheehan Bldg. Co.	74,800 00	
		Addition	3,534 22	
			78,334 22	
		Deduction	3,000 00	
			75,334 22	$10,281 60
*Horse exhibition building	Horse stalls, construction	A. E. Stephens Co.	62,600 00	
		Addition	147 20	
			62,747 20	
		Deduction	140 00	
			62,607 20	
*Horse exhibition building	Hardware	Albany Hardware & Iron Co.	1,291 55	
*Horse exhibition building	Plumbing and drainage	Edward Joy Co.	9,999 00	3,740 00
*Horse exhibition building	Electric	F. J. Flood	817 17	

* An asterisk indicates that contract was in force June 30, 1917.

HOSPITALS — (*Continued*)

	Contracts in force, July 1, 1916, to June 30, 1917	Contracts completed, July 1, 1916, to June 30, 1917	Certificates issued July 1, 1916, to June 30, 1916	Contracts in force July 1, 1916	Additions and deductions to contracts July 1, 1916, to June 30, 1917	Contracts awarded July 1, 1916, to June 30, 1917	Contracts in force June 30, 1917
Central Islip State Hospital	$29,854 72	$5,219 72	$21,709 72	$4,800 00	+$419 72	$24,635 00	$24,635 00
Gowanda State Hospital	1,800 00	.....	.....	.....	.....	1,800 00	1,800 00
Kings Park State Hospital	186,513 81	15,386 60	26,158 65	93,467 46	+2,009 75	90,946 60	171,127 21
Manhattan State Hospital	532,409 82	368,312 07	236,870 74	527,868 14	+688 63	3,853 05	164,097 75
Middletown State Hospital	97,562 51	9,275 51	20,428 54	97,695 01	—142 50	30 00	88,307 00
Rochester State Hospital	25,626 64	.....	.....	.....	.....	25,626 64	25,626 64
Willard State Hospital	5,582 73	.....	4,515 20	.....	.....	5,528 73	5,582 73
	$1,604,794 25	.....	.....	$1,480,033 21	+$13,591 56	.....	*$1,066,539 60
Less contract refused	8,780 00	.....	.....	8,780 00	—1,234 79	.....	8,780 00
	$1,686,014 25	$619,474 65	$537,117 98	$1,471 253 21	+$12,356 77	$202,404 27	$1,066,539 60

PRISONS

Clinton Prison	$16,733 00	.....	$3,846 25	.....	.....	$16,733 00	$16,733 00
Dannemora State Hospital	9,491 00	$9,491 00	9,491 00	$6,616 00	.....	2,875 00	.....
Great Meadow Prison	279,562 16	279,562 16	1,281 82	279,562 16	.....	.....	.....
Sing Sing Prison	34,153 21	34,153 21	5,550 06	34,153 21	.....	.....	.....
	$339,939 37	$323,206 37	$20,169 13	$320,331 37	.....	$19,608 00	$16,733 00

ARMORIES

Troop B, Albany	$9,084 00	$2,329 00	$5,037 28	$2,729 00	—$400 00	$6,755 00	$6,755 00
Troop H, Rochester	100,965 86	.....	21,455 77	.....	.....	100,965 86	100,965 86
Troop G, Yonkers	93,308 32	.....	59,141 95	88,070 00	+4,678 32	560 00	93,308 32
Troop I, Buffalo	141,691 67	141,691 67	26,464 92	142,181 67	—1,180 00	690 00	.....
State Armory, Albany	1,475 50	1,475 50	1,475 50	1,483 00	—7 50	.....	.....
	$346,525 35	$145,496 17	$113,575 42	$234,463 67	—$1,587 50	$108,970 86	$201,029 18
	.....	.....	.....	.....	+4,678 32	.....	.....
	.....	.....	.....	.....	+$3,000 82	.....	.....

NORMAL SCHOOLS

Potsdam Normal School	$287,800 70	.....	$13,670 34	.....	.....	$287,800 70	$287,800 70

EDUCATIONAL

State School of Agriculture, Cobleskill	$49,567 46	.....	$13,254 65	.....	.....	$49,567 46	$49,567 46
Cornell University	346,811 87	$72,823 85	97,757 64	$314,969 73	—$3,938 98	35,781 12	273,988 02
State School of Agriculture and Domestic Science, Delhi	51,844 04	30,080 04	11,547 45	51,036 04	+826 04	.....	21,764 00
State School of Agriculture on Long Island, Farmingdale	195,205 33	187,131 73	23,995 82	182,115 96	—369 22	13,458 59	108,073 60
State College of Forestry, Syracuse University	261,431 60	226,433 74	81,553 18	238,585 56	+19 50	22,826 54	34,997 86
Onondaga Indian Reservation	953 25	.....	549 10	.....	.....	953 25	953 25
State Institution for Deaf Mutes, Malone	24,946 61	.....	15,682 07	22,701 00	+1,901 61	344 00	24,946 61
St. Lawrence University, Canton	4,852 22	1,893 00	2,555 15	1,893 00	.....	2,959 22	2,959 22
	$935,612 38	$418,362 36	$246,895 06	$811,301 29	—$4,308 20	$125,890 18	$517,250 02
	.....	.....	.....	.....	+2,729 11	.....	.....
	.....	.....	.....	.....	$1,579 09	.....	.....

PUBLIC BUILDINGS

State Capitol	$51,664 13	$27,157 18	$35,846 68	$10,279 26	+$104 00	$41,280 87	$24,506 95
Assembly Chamber	2,290 49	1,710 49	1,710 49	23 00	.....	2,267 49	580 00
Senate Chamber	4,383 00	4,383 00	3,585 50	4,383 00	.....	.....	.....
Education Building	31,553 30	31,441 71	3,071 01	30,000 00	.....	1,553 30	111 59
State Hall	313,625 55	267,885 17	238,338 33	198,247 50	+15,202 50	100,175 55	45,740 38
New Capitol Power House	5,005 00	.....	935 00	518 00	.....	4,487 00	5,005 00
Agricultural Hall	2,336 00	873 00	873 00	873 00	.....	1,463 00	1,463 00
	$410,857 47	$333,450 55	$284,360 01	$244,323 76	+$15,306 50	$151,227 21	$77,406 92

REGULATIVE

State Institute for the Study of Malignant Disease, Buffalo	$8,728 99	.....	.....	$8,728 99	.....	.....	$8,728 99
Quarantine Station, Rosebank	7,124 15	$7,124 15	$1,928 10	7,102 00	+$22 15	.....	.....
Health Department, Albany	2,188 00	2,188 00	2,188 00	.....	.....	$2,188 00	.....
	$18,041 14	$9,312 15	$4,116 10	$15,830 99	+$22 15	$2,188 00	$8,728 99

GENERAL

	Contracts in force, July 1, 1916, to June 30, 1917	Contracts completed, July 1, 1916, to June 30, 1917	Certificates issued July 1, 1916, to June 30, 1917	Contracts in force July 1, 1916	Additions and deductions to contracts July 1, 1916, to June 30, 1917	Contracts awarded July 1, 1916, to June 30, 1917	Contracts in force June 30, 1917
Letchworth Park	$415 00	.....	.....	$415 00	.....	.....	$415 00
Schuyler Mansion	7,741 06	$7,003 61	$6,391 61	6,451 90	+$543 44	$745 72	737 45
Sir William Johnson Mansion	4,660 65	.....	3,127 73	4,748 00	—186 85	99 50	4,660 65
Saratoga Reservation	698 00	.....	.....	.....	.....	698 00	698 00
State Fair Grounds, Syracuse	179,448 14	.....	14,021 60	.....	.....	179,448 14	179,448 14
Crown Point, Reservation	3,125 70	3,125 70	3,125 70	596 12	.....	2,529 58	.....
Geneva Experiment Station	82,731 00	.....	3,640 00	.....	.....	82,731 00	82,731 00
	$278,819 55	$10,129 31	$30,306 64	$12,211 02	+$543 44	$266,251 94	$268,600 24
	.....	.....	.....	.....	—186 85	.....	.....
	.....	.....	.....	.....	+$365 59	.....	.....

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Department of Architecture
State of New York

FIFTH ANNUAL REPORT OF THE DEPARTMENT OF ARCHITECTURE, SUBMITTED TO THE LEGISLATURE BY L. F. PILCHER, STATE ARCHITECT, THE TWELFTH DAY OF APRIL, NINETEEN HUNDRED AND TWENTY.

N.Y.

Legislative Document No. 105

STATE OF NEW YORK

FIFTH ANNUAL REPORT

OF THE

Department of Architecture

For the Year Ending June 30, 1919

c 1917/19 J

L. F. PILCHER, State Architect

ALBANY
J. B. LYON COMPANY, PRINTERS
1920

H.F.
m.m.

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ANNUAL REPORT

ALBANY, *April* 12, 1920.

To the Honorable the Legislature of the State of New York:

I have the honor to submit herewith the Fifth Annual Report of the Department of Architecture. While all branches of the State Government were more or less affected by our entrance into the World War, it can safely be said that no arm of the government of the State of New York was so badly hampered in the carrying on of its work, through the unexampled rise in the price of materials and of labor, as well as through the loss of men in the service of their country, as was the Department of Architecture. The reduction of the forces of the Department because of the entrance of men into the military and naval service of the country in response to the call to arms was so great as to make it utterly impossible to present to the Legislature in the year 1919 the usual report. For this reason I combine in the Report herewith submitted a summary of the work of the Department covering the period from the beginning of the fiscal year July 1, 1917, to the end of the fiscal year June 30, 1919.

So as to make clear the difficulties under which this department has been carrying on its work I deem it appropriate here to mention the names of the different employees of the Department who left the employment in which they were engaged by the State to take up arms for the country in the time of its need. And I do not think it inappropriate, on this occasion and in this report, to express personally my sense of highest commendation for the patriotic spirit manifested by the men of this department in that great crisis in American history, and the delight with which I received from day to day the application for leave for military service made to me by the men of this Department. The number of employees entering the military service from the different departments of the State government and the service they rendered their country while in the army or navy during the war is a matter of pride in each department. I am pleased to say that in this respect the Department of Architecture, both in the number of men contributed to the cause and the service they rendered in defense of the flag, holds a leading place among all the departments of the State government.

Those who responded to the call of their country from the Department of Architecture, together with their military rank, were as follows:

Thomas M. Newton	Major.
Charles A. Sussdorff	Captain.
George B. Nichols	Captain.
Elbert W. Tompkins	Captain.
Achille O. Van Suetendael	Captain.
Thomas H. Messer	Captain.
Robert B. Field	Captain.
Theodore H. Fries	Captain.
Gilbert L. Van Auken	Captain.
Harold J. Hichman	First lieutenant.
Clarence A. Livingston	First lieutenant.
Eli B. Parsons	Ensign.
Benjamin F. Betts	Second lieutenant.
T. Maxwell Jones	Private.
David Hermann	Private.
Charles G. Binder	Private.
John H. Koonz	Private.
Harry E. France	Private.
Thomas F. Murray	Private.
Harry Halverson	Private.
George W. Aldridge	Private.

Not alone was the progress of the work of the department impeded through the impossibility of replacing the men who entered the service, but the difficulties were increased immeasurably through great embargos, shortage of construction material and labor and office forces so that construction work was delayed in every branch. Projected activities were begun only where the greatest emergencies existed in order to safeguard the wards of the State. Governmental reconstructions in building were heeded by this department, but wherever it was possible to advance in the preparation of plans and specifications the work was prepared to release to the various trades when conditions would permit. Various projects which were under study had to undergo radical changes due to the increases in prices of material and shortage of labor. It was my object to study and to foresee as far as possible what conditions might be and endeavor to reach them.

In the period between July 1, 1918, to June 30, 1919, conditions grew worse rather than better. In the early months of the former

year the nature of the war became apparent to close observers. Preparations were made to complete plans and specifications so that when hostilities ceased the work could be put out for contract and thus supply as much employment as possible to take care of thousands of men who were engaged in war activities and who would soon be released for peaceful industry, and thus not only aid in helping to solve the conditions of unemployment but to provide the increased number of beds in State institutions which were so sorely needed.

After the signing of the armistice the men in this department began gradually to return and the majority of them reported for duty by June 30, 1919. It was hoped that with the closing of those occupations that supply the army and navy labor and materials would soon be available in sufficient quantities to begin active operations at once.

This did not prove to be the case. Labor instead of being plentiful was more scarce than ever and higher priced. Materials did not come into the markets and their cost immediately started to rise to unheard of figures. At the time of concluding this report the outlook is that no one can foresee to what heights prices of material and labor will advance.

With the return of the men to duty the department took on renewed ability to forward the work. The following summary will indicate what has been done:

SUMMARY OF CONTRACT WORK

Contracts in force July 1, 1917	$3,314,715 27
Additions to contracts July 1, 1917, to June 30, 1918	40,293 63
Contracts and orders awarded from July 1, 1917, to June 30, 1918	3,380,728 74
Special Fund Estimates July 1, 1917, to June 30, 1918	696,540 91
Total face of contracts, special orders and special fund estimates administered from July 1, 1917, to June 30, 1918	$7,432,278 55
Face of contracts concluded, including special fund estimates not included in contracts	2,311,376 79
Total contracts in force June 30, 1918	$5,120,901 76

The expenses of the department for the period covering the work as summarized above was $179,218.35. Included in this summary

is a payroll charge of $152,672.01 and a maintenance and operation charge of $26,546.34, the average monthly operating cost being $14,934.86.

SUMMARY OF CONTRACT WORK

Contracts in force July 1, 1918	$5,120,901 76
Contracts and orders from July 1, 1918, to June 30, 1919	2,912,299 44
Special Fund Estimates July 1, 1918, to June 30, 1919	1,909,492 43
Total face of contracts, special orders and special fund estimates administered from July 1, 1918 to June 30, 1919	$9,942,693 63
Face of contracts concluded, including special fund estimates not included in contracts	3,717,204 59
Total contracts in force June 30, 1919	6,225,489 04

The expenses of the department during this period was $192,109.67, the payroll charges being $162,545.44, maintenance and operation $29,564.23, the average monthly cost being $16,009.14.

SUMMARY OF WORK

From July 1, 1917, to June 30, 1918, there were 444 contracts and special orders in force at a total cost of $6,735,737.64. From July 1, 1918, to June 30, 1919, there were 352 contracts and special orders in force amounting to $7,967,643.66. Face of contracts completed during 1917 and 1918 was $1,614,835.88, leaving a balance of contracts in force at the close of the fiscal year of $5,120,901.76.

Contracts completed during 1918–1919 was $1,742,154.62, leaving contracts in force July 1, 1919, of $6,225,429.04. From July 1, 1917, to June 30, 1918, 207 contracts and orders were executed at a cost of $3,380,728.74 and the contracts in force July 1, 1917, amounted to $3,314,715.27. The net additions to these orders and contracts was $40,293.63.

From July 1, 1918, to June 30, 1919, 161 contracts and orders were executed at a cost of $2,912,299.44.

In the State hospital group during 1917–18 new contracts amounting to $870,405.90 were awarded, the work covering the construction of a chronic hospital and a storehouse at Brooklyn State Hospital; extension of laundry and power-house at Central Islip State Hospital; water supply system at Hudson River State Hospital; street lighting system at Manhattan State Hospital; building for tubercular

patients at Middletown State Hospital; construction of Sunnycroft building at Willard State Hospital; power plant and coal shed at St. Lawrence State Hospital.

From July 1, 1918, to June 30, 1919, new contracts amounting to $798,717.50: coal trestle at Binghamton State Hospital; sewage system at Brooklyn State Hospital, also sanitary work and laundry equipment; refrigerating equipment in chronic hospital; Central Islip State Hospital — construction of quarters for acute patients; Hudson River State Hospital — water supply; Kings Park State Hospital — underground heating mains, underground service and water connections and sewage disposal plant. At Manhattan State Hospital dining room accommodations, coal and ash handling apparatus, laundry machinery. Utica State Hospital, central heating plant, mortuary and laboratory building. Willard State Hospital, pines building and chlorinating plant.

CHARITABLE INSTITUTIONS

From July 1, 1917 to June 30, 1918, new contracts amounted to $745,438, as follows: Albion, $24,897 for addition to boiler house, new boilers and connections. Bath Soldiers' and Sailors' Home, steam heating plant. Letchworth Village, $683,661.80 for assembly hall, heating female group, attendants' home and service building, laundry building and refrigerating plant. Syracuse Institute for Feeble-Minded Children, reconstructing heating system in boys' building. West Haverstraw Hospital for Crippled and Deformed Children, laundry building and equipment for same. From July 1, 1918, to June 30, 1919, for charitable institutions, contracts amounted to $679,351.11, as follows: Western House of Refuge, Albion, new cottages with equipment. Bath Soldiers' and Sailors' Home, construction of Barracks H and I, sewage building and repairs to heating construction. State Reformatory, Bedford, laundry equipment, remodeling laundry for refrigerating purposes. Thomas Indian School, Iroquois, refrigerating equipment in cold storage building. Letchworth Village, Thiells, contracts amounted to $342,600.50 for the construction of attendants' home and service building, sanitary work of eight cottages, underground piping for female group, boiler and stoker equipment and construction of addition. Newark State School, cottage for inmates and heating plant. Oxford, Womens' Relief Corps Home, manure pit and slaughter-house, garbage and hosecart-house, piggery, ice-house and refrigerating plant. Craig Colony for Epileptics, Sonyea, dining room and kitchen building. West Haverstraw, heating work in laundry, elevator in hospital building and artesian wells for water supply.

PENAL INSTITUTIONS

The contracts for prisons for 1917–1918 amounted to $1,075,269.57, being for the grading work, construction, heating, sanitary, and electric work of new farm and industrial prison, and for sewage disposal plant at Wingdale.

During 1918–1919 contracts for prison work amounted to $1,178,233.76, being for the construction, plumbing, electric, heating work and new boilers for mess hall and kitchen building No. 4, detention building No. 5, outside cell building No. 7, clinic building No. 8, pump-house and reservoir at Sing Sing Prison, Ossining, N. Y.

STATE ARMORIES

Contracts for State armories amounted to $126,124.50, being for a stable at Rochester armory and for the construction, heating, plumbing and electric work of the State armory at Olean, N. Y.

NORMAL SCHOOLS

During 1917–1918 contracts amounting to $255,434.42 were awarded, being for the construction, heating, sanitary and electric work of a new building at New Paltz normal; extension of new school building at Potsdam normal school.

At Cornell College of Agriculture a cattle barn was contracted for at a cost of $10,694.00. Work amounting to $113,814.94 was contracted for in the State Capitol, Albany, covering repair work and electric elevator: State hall equipment, etc., $4,069.37; agricultural hall, $2,389.50, Saratoga reservation drink hall, construction, $10,533.89; Dunkirk fish hatchery, $24,558.46; laboratory building, State Department of Health, Albany, $225.762.19.

During 1918 and 1919 the following work was contracted for: agricultural hall, Albany, $4,107.00; State Capitol, $6,670.63; laboratory building, $29,674.95; school of agriculture, Cobleskill, $41,009.37; quarantine station, Hoffman's island, $16,787.60.

SPECIAL FUND ESTIMATES

Twelve hundred and sixty-eight special fund estimates amounting to $1,405,220.16 were considered by me during the year. In many cases this involved the preparation of plans, working sketches, details and specifications, and in all cases careful checking over of each estimate as to kind and quantity of materials, etc.

Of these, thirty-three, totalling $708,679.25, were for contracts awarded for work at the State hospitals, one being at the Binghamton

State Hospital, ten at the Brooklyn State Hospital, six at the Central Islip State Hospital, three at the Hudson River State Hospital, four at the Kings Park State Hospital, two at Manhattan State Hospital, four at the Rochester State Hospital, and three at the St. Lawrence State Hospital.

The following is the number and amounts of all special fund estimates passed upon:

State Hospitals

	Estimates	Amount
Binghamton State Hospital	155	$36,929 57
Brooklyn State Hospital	187	585,228 74
Buffalo State Hospital	10	14,233 11
Central Islip State Hospital	93	204,638 43
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Hospital for Crippled Children, West Haverstraw	3	3,122 39
	21	$84,249 29

Charitable Institutions

	Estimates	Amount
House of Refuge for Women, Albion	4	$216 6
School for Blind, Batavia	1	261 7
Soldiers' and Sailors' Home, Bath	5	5,433 9
Reformatory for Women, Bedford	4	1,392 4
State Reformatory, Elmira	18	2,471 6
Training School for Girls, Hudson	3	426 3
Agricultural and Industrial School, Industry	1	260 9
Thomas Indian School, Iroquois	2	11,581 8
Eastern New York Reformatory, Napanoch	3	190 67
School for Feeble Minded Women, Newark	20	8,615 95
Women's Relief Corps Home, Oxford	12	906 71
House of Refuge, Randall's Island	1	83 75
Tuberculosis Hospital, Ray Brook	4	1,210 71
School for Feeble Minded, Rome	5	32,711 82
Craig Colony for Epileptics, Sonyea	5	4,733 74
Letchworth Village, Thiells	26	3,291 72
Hospital for Crippled Children, West Haverstraw	4	4,590 15
	118	$78,380 66

Prisons

	Estimates	Amount
Auburn Prison, Auburn	7	$4,751 38
Clinton Prison, Dannemora	33	10,592 14
Dannemora State Hospital, Dannemora	35	16,008 96
Great Meadow Prison, Comstock	26	1,802 11
Matteawan State Hospital, Matteawan	12	6,774 55
Sing Sing Prison, Ossining	9	741,212 63
Wingdale Prison, Wingdale	.....	.....
	122	$781,141 77

Miscellaneous Institutions

	Estimates	Amount
Cobleskill, School of Agriculture	1	$933 05
Cornell University, College of Agriculture	1	6,813 00
Delhi, School of Agriculture	1	131 00
Farmingdale, Institution for Agriculture	5	4,187 00
Geneva, Agricultural Experiment Station	1	653 09
Fredonia Normal School	1	1,006 00
Geneseo Normal School	1	295 60
Oneonta Normal School	1	3,125 00
Governor Clinton House, Poughkeepsie	1	404 71
Quarantine Station, Rosebank	1	681 00
Saratoga Springs Reservation	87	146,491 34
	101	$164,720 79

Resumé

	Estimates	Amount
State hospitals	1,267	$1,571,971 40
Charitable institutions	118	78,380 66
State prisons	122	781,141 77
Miscellaneous institutions	101	164,720 79
Grand total	1,608	$2,596,214 62

NEW PROJECTS CONSIDERED

Two hundred seventy-five new projects were considered by the Department which involved the preparation of plans and, in the majority of cases, the sketches, working drawings and detailed specifications necessary to advance the work to contract.

July 1, 1917, to June 30, 1918

Job Nos.	Institution	
655	Saratoga	Addition to bottling plant.
656	Middletown	Building for tubercular patients.
657	Middletown	Dairy barns, silo, hay and storage barn.
658	Middletown	Thirty-patients building.
659	Cattaraugus reservation	School building.
660	Cobleskill	Poultry-house.
661	Haverstraw	Artesian well, water tank, etc.
662	Albion	Repairing boilers.
663	Utica Hospital, Marcy division	Development.
664	Oxford	Completing roads.
665	Capitol	Alterations, room 132
666	Cancelled.	

is a payroll charge of $152,672.01 and a maintenance and operation charge of $26,546.34, the average monthly operating cost being $14,934.86.

SUMMARY OF CONTRACT WORK

Contracts in force July 1, 1918	$5,120,901 76
Contracts and orders from July 1, 1918, to June 30, 1919	2,912,299 44
Special Fund Estimates July 1, 1918, to June 30, 1919	1,909,492 43
Total face of contracts, special orders and special fund estimates administered from July 1, 1918 to June 30, 1919	$9,942,693 63
Face of contracts concluded, including special fund estimates not included in contracts	3,717,204 59
Total contracts in force June 30, 1919	6,225,489 04

The expenses of the department during this period was $192,109.67, the payroll charges being $162,545.44, maintenance and operation $29,564.23, the average monthly cost being $16,009.14.

SUMMARY OF WORK

From July 1, 1917, to June 30, 1918, there were 444 contracts and special orders in force at a total cost of $6,735,737.64. From July 1, 1918, to June 30, 1919, there were 352 contracts and special orders in force amounting to $7,967,643.66. Face of contracts completed during 1917 and 1918 was $1,614,835.88, leaving a balance of contracts in force at the close of the fiscal year of $5,120,901.76.

Contracts completed during 1918–1919 was $1,742,154.62, leaving contracts in force July 1, 1919, of $6,225,429.04. From July 1, 1917, to June 30, 1918, 207 contracts and orders were executed at a cost of $3,380,728.74 and the contracts in force July 1, 1917, amounted to $3,314,715.27. The net additions to these orders and contracts was $40,293.63.

From July 1, 1918, to June 30, 1919, 161 contracts and orders were executed at a cost of $2,912,299.44.

In the State hospital group during 1917–18 new contracts amounting to $870,405.90 were awarded, the work covering the construction of a chronic hospital and a storehouse at Brooklyn State Hospital; extension of laundry and power-house at Central Islip State Hospital; water supply system at Hudson River State Hospital; street lighting system at Manhattan State Hospital; building for tubercular

patients at Middletown State Hospital; construction of Sunnycroft building at Willard State Hospital; power plant and coal shed at St. Lawrence State Hospital.

From July 1, 1918, to June 30, 1919, new contracts amounting to $798,717.50: coal trestle at Binghamton State Hospital; sewage system at Brooklyn State Hospital, also sanitary work and laundry equipment; refrigerating equipment in chronic hospital; Central Islip State Hospital — construction of quarters for acute patients; Hudson River State Hospital — water supply; Kings Park State Hospital — underground heating mains, underground service and water connections and sewage disposal plant. At Manhattan State Hospital dining room accommodations, coal and ash handling apparatus, laundry machinery. Utica State Hospital, central heating plant, mortuary and laboratory building. Willard State Hospital, pines building and chlorinating plant.

CHARITABLE INSTITUTIONS

From July 1, 1917 to June 30, 1918, new contracts amounted to $745,438, as follows: Albion, $24,897 for addition to boiler house, new boilers and connections. Bath Soldiers' and Sailors' Home, steam heating plant. Letchworth Village, $683,661.80 for assembly hall, heating female group, attendants' home and service building, laundry building and refrigerating plant. Syracuse Institute for Feeble-Minded Children, reconstructing heating system in boys' building. West Haverstraw Hospital for Crippled and Deformed Children, laundry building and equipment for same. From July 1, 1918, to June 30, 1919, for charitable institutions, contracts amounted to $679,351.11, as follows: Western House of Refuge, Albion, new cottages with equipment. Bath Soldiers' and Sailors' Home, construction of Barracks H and I, sewage building and repairs to heating construction. State Reformatory, Bedford, laundry equipment, remodeling laundry for refrigerating purposes. Thomas Indian School, Iroquois, refrigerating equipment in cold storage building. Letchworth Village, Thiells, contracts amounted to $342,600.50 for the construction of attendants' home and service building, sanitary work of eight cottages, underground piping for female group, boiler and stoker equipment and construction of addition. Newark State School, cottage for inmates and heating plant. Oxford, Womens' Relief Corps Home, manure pit and slaughter-house, garbage and hosecart-house, piggery, ice-house and refrigerating plant. Craig Colony for Epileptics, Sonyea, dining room and kitchen building. West Haverstraw, heating work in laundry, elevator in hospital building and artesian wells for water supply.

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CHARITABLE INSTITUTIONS

Western House of Refuge for Women, Albion

On account of the advancing cost of building construction, it was found necessary to make revised plans and specifications for the cottage for inmates at this institution, which has been done and the work put under contract at a cost within the amount of the appropriation.

Plans and specifications have also been prepared for an addition to the boiler-house; sketches made for alterations in old cottages and for finishing rooms in third story of the industrial building.

New York State Soldiers' and Sailors' Home, Bath

Plans and specifications have been prepared and contracts let for a new building to replace the building known as barracks H and I, which was destroyed by fire. Contracts have been awarded for this work.

New York State Reformatory for Women, Bedford Hills

The only work required by this institution during the past year has been the installation of window guards in the inmates' cottage of the farm group, and some reconstruction and equipment necessary to convert a portion of the old laundry building into a cold storage plant.

Thomas Indian School, Iroquois

Plans have been completed for a dairy and cold storage building, and plans and specifications prepared for the construction of a shop building, both of which are being constructed by the special fund estimate system, utilizing the institution help as far as possible.

Letchworth Village, Thiells

Plans and specifications were completed and work advertised early this year for eight cottages to comprise the adult female group, a service building and attendants' home for this group and underground tunnels to carry the heating and electrical distributing lines from the power-house to the adult female group. In connection with this tunnel there has been designed a concrete bridge across the creek near the power-house which serves both for traffic crossing and to carry the tunnel construction. This work has been followed by preparation of sketches, plans and specifications for an assembly hall and industrial building in the boys' group, extension of the tunnel and conduit work to the girls' group and an addition to the

central heating plant to provide for permanent boiler room and coal bunkers and a second addition to the power plant for additional apparatus, together with plans and specifications for a new radial brick chimney of a capacity to serve the present and future needs of the institution.

Soon after the above-mentioned work was placed under contract, the office started the preparation of plans and specifications for eight additional cottages to be known as the girls' group, a service building for this group and an addition to the industrial building in the boys' group. These buildings were of the same size and type of those designed for the adult female group, for which contracts have been awarded; but upon receipt of bids for the same, it was found that the cost of building construction had advanced to such an extent that the State was unable to let contracts within the funds available. After conference with the Board of Managers and at the request of the Board, revised plans and specifications were made for these cottages.

Eastern New York Reformatory, Napanoch

Plans and specifications were prepared for a horse and carriage barn and wagon sheds, which are now being constructed by inmate labor under the special fund estimate system.

State School for Mental Defectives, Newark

The only operation at this institution is the preparation of plans and specifications for one cottage for low-grade inmates.

Women's Relief Corps Home, Oxford

No work of great importance has been undertaken for this institution. The Department has prepared plans and specifications for a piggery, manure pit and slaughter-house.

Reformatory for Juvenile Delinquents, Randall's Island

Due to a severe local storm which unroofed the north wing of the main building at this institution, it was necessary to quickly make preparations to protect these buildings, and in connection with this work plans and specifications were prepared for rebuilding the roof.

ARMORIES

Troy

At Troy contracts were awarded for the construction of an armory to accommodate three companies of infantry and headquarters staff. The administration building is 49 feet by 129 feet, and the drill

CHARITABLE INSTITUTIONS

Western House of Refuge for Women, Albion

On account of the advancing cost of building construction, it was found necessary to make revised plans and specifications for the cottage for inmates at this institution, which has been done and the work put under contract at a cost within the amount of the appropriation.

Plans and specifications have also been prepared for an addition to the boiler-house; sketches made for alterations in old cottages and for finishing rooms in third story of the industrial building.

New York State Soldiers' and Sailors' Home, Bath

Plans and specifications have been prepared and contracts let for a new building to replace the building known as barracks H and I, which was destroyed by fire. Contracts have been awarded for this work.

New York State Reformatory for Women, Bedford Hills

The only work required by this institution during the past year has been the installation of window guards in the inmates' cottage of the farm group, and some reconstruction and equipment necessary to convert a portion of the old laundry building into a cold storage plant.

Thomas Indian School, Iroquois

Plans have been completed for a dairy and cold storage building, and plans and specifications prepared for the construction of a shop building, both of which are being constructed by the special fund estimate system, utilizing the institution help as far as possible.

Letchworth Village, Thiells

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Troy

At Troy contracts were awarded for the construction of an armory to accommodate three companies of infantry and headquarters staff. The administration building is 49 feet by 129 feet, and the drill

hall 192 feet by 206 feet. In the basement are located the mess hall and kitchen, wagon and general storage, rifle range, etc. The first story includes the armorer, company locker, store rooms, toilets and baths; the locker rooms are designed of sufficient height to permit of the introduction of a mezzanine story on which are located the company officers' rooms.

The second story includes the squad drill hall and gymnasium, lounging room and sanitary officers' quarters; the drawings provide for the future installation of a gallery in the drill hall with entrances from the second floor level. The second story main rooms are also designed of a sufficient height to permit of the introduction of a second mezzanine, and on this at some future time will be located the headquarters staff.

Olean

At Olean the administration building was completely destroyed by fire and the drill shed badly damaged.

Here contracts have been awarded for a new administration building 110 feet by 52 feet, and the repair and renovation of the drill shed. In the basement are located the mess hall and kitchen, store room, etc. The first story includes the armorer, company locker, bath and toilet rooms, property and community rooms. The second story, company parlor, officers' rooms, sanitary officers' and non-commissioned officers' rooms, bath and toilet rooms, also a room for veterans. In the third story of the tower provision is made for a band room. Work in connection with the drill room includes entire new roof construction, new gallery, floors and painting throughout.

Malone

At Malone plans and specifications were prepared and contracts awarded for a 51 foot by 75 foot extension to the drill shed with gallery for company lockers.

Yonkers-Rochester

At Yonkers and Rochester drawings and specifications were prepared for the finished grading, laying walks, building drives, seeding and sodding.

PRISONS

Clinton Prison

An examination of the roof of the power-house at this institution revealed the fact that the roof and roof construction were in bad condition due to action of gases from the boilers. Plans and

specifications were prepared for the rebuilding of a new roof on the power-house of such a design as will admit in the future of installing larger types of boilers as the needs for replacement become apparent.

Drawings have also been made for the construction of a new prison wall around the north yard.

The work in connection with both of these operations is being done by the use of inmate labor.

Great Meadow Prison

At the request of the Superintendent of Prisons, plans and specifications have been prepared for a dairy barn to accommodate fifty head of cattle, and for a milk house in connection with this barn. These buildings are designed to be constructed of concrete foundations and exterior walls above grade of hollow concrete blocks, roofed with slate roofs on wood construction.

Drawings have also been made for enclosing verandas on the warden's residence. All of this work is being carried on by inmate labor.

Sing Sing Prison

As indicated in my last annual report, the Department started preliminary work for the development of the new Sing Sing Prison. This work has been continued with the result that a great deal of the grading over the site of the buildings has been accomplished by the use of inmate labor.

Drawings and specifications have been prepared and contracts made for one clinic building, which is designed to provide quarters for the medical staff and accommodations for inmates who are sick or under observation: one cell building with 286 outside cells, one cell building with eighty-two outside cells, a reservoir and pump house for the storage and pumping of Croton water, and a mess hall and kitchen building with capacity for the immediate and future needs of the institution. The mess hall building, in addition to having dining halls and ample capacity for kitchen service, contains the institution bakery and cold storage plant.

Total inmate capacity for the buildings above mentioned will be 473.

Drawings and specifications have also been prepared for concrete tunnels for the underground heating and lighting mains; one building containing cells and dormitories, capacity 270; one outside cell building with a capacity of 82; one inside cell building with a capacity of 288; one outside cell building with a capacity of 286.

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MISCELLANEOUS

Schoharie State School of Agriculture, Cobleskill

Plans and specifications have been prepared and contract let for the construction of one building known as the Home Economics Building.

Cornell University

The only work at this institution has been the preparation of plans and specifications for an addition to the sheep barn and for the construction of one insectary.

Quarantine Station, Rosebank

Sketches and drawings have been prepared for additions to the storehouse, one cottage for chief medical officer, and alterations in the administration building.

State Fair, Syracuse

Drawings were prepared for an extension to the race horse stables, and for the construction of a memorial arch at the entrance to the ground in honor of the soldiers and sailors who entered the world war.

Barge Canal

Cooperating with the State Engineer and Surveyor, this department has made sketches and designs for several of the structures required for the barge canal work, among them being cottage for lock tenders; sketches and designs for a terminal building at the Erie basin; headhouses for piers 93 and 53, New York.

Laboratory Building, Albany Health Department

Drawings and specifications were prepared for new horse stables on the Health Department farm and for repairs to foundations to old buildings on this farm.

Specifications and drawings were prepared and contracts let for sterile rooms, media hood, refrigerators and other equipment in the new laboratory building on New Scotland avenue, Albany.

Surveys and sketches have also been made for the ultimate grading of the grounds, and the construction of a prison wall around the new prison yard.

Wingdale Prison

In order to prepare the site for the buildings which it had been determined to erect immediately at this institution, surveys, specifications and drawings were prepared for grading the site of four buildings. Contracts for this work were let as early as possible and drawings and specifications were prepared for the construction and finishing of one interlocking building containing cells and dormitories, capacity of 272; one cell building containing 288 cells; mess hall and kitchen building with capacity for the immediate needs of the institution, and the power-house with its equipment, including the construction of underground tunnels for the steam and electric service. All of this work has been placed under contract, and construction of the buildings is well under way.

NORMAL SCHOOLS

Buffalo Normal School

Drawings have been prepared for the erection of balustrades on the stairs in this building, which, on account of lack of funds, were omitted temporarily when the building was constructed.

Drawings and specifications have also been prepared for an electric dumbwaiter in this building.

Fredonia

The only work in connection with this institution has been the preparation of plans for fire escape.

Geneseo

Drawings and specifications have been prepared for alterations of the present buildings, consisting of remodeling the third story of the main building for the household arts department, alterations in the stage and gallery of the chapel, general repairs to roofs, and repairing of exterior woodwork.

Sketches, plans and specifications have also been prepared for a new addition containing class rooms, toilet facilities and kindergarten work.

New Paltz

Plans and specifications have been made and contracts let for an addition to this school building, providing a large auditorium, study hall and additional class rooms.

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PUBLIC BUILDINGS

Capitol, Albany

The work done by this Department has been in the nature of small operations, consisting of plans and specifications for metal filing cases in several of the departments; alterations and additions to partition work, including the enclosing partitions of the Senate Post-office, storm sash for windows in the various rooms and construction of additional oak cases for the standards and flags in the flag corridor.

State Office Building

Plans and specifications were prepared and contracts let for removing old buildings and clearing the site for the proposed State office building in Albany, and for the erection of a tight board fence around this site.

Education Building

Plans and specifications have been made for grading, sidewalks and paving of that portion of the State property between the education building and All Saints cathedral, and drawings have been prepared for metal filing cases for the library division.

Agricultural Hall

The fourth floor of this building, originally used as a museum, has been renovated and repaired for the use of the Department of Farms and Markets. Alterations of partitions, repainting and other work has been done in other parts of the building, for all of which this department has prepared plans and specifications.

Saratoga Reservation

In addition to the work done by this office in connection with the new bath house, drawings have been made for pavilions over several springs and for reinforcing the walls and floors of the Phila street bath house.

The State has owned at Saratoga Springs, a plot of land under the control of the Conservation Commission, which includes a large frame structure known as the "Woodcraftsman Building," and which has been leased for a number of years to a private company for the manufacture of furniture.

The scheme for the development of the "Spa" facilities at Saratoga includes the erection of a large bathhouse and recreation pavilion, and this site was deemed well adapted for the purpose.

Plans and specifications were prepared by me for the Washington

bath house, a large one story "H" shaped building of frame and stucco and with slate roof, and utilizes as far as practicable all available portions of the existing Woodcraftsman Building as a nucleus for the completed bath house.

The building includes a spacious entrance lobby with adjacent offices, toilets and waiting-rooms; together with a wing on either side, which has dressing rooms, bathrooms and comfortable rest rooms for men and women, respectively.

Provision having been made by the Legislature of 1919 for the use of necessary portions of the capital fund of the Saratoga reservation for this purpose, a special fund estimate in the amount of $110,912.80 covering the cost of labor and material required was prepared and approved by this department and by the State Comptroller.

With the assistance of a superintendent of construction detailed by me to be constantly at the work, the superintendent of Saratoga Springs Reservation was authorized to build this bath house by day labor, and the purchase of the materials in the open market. The payrolls and orders for material have been subject to my approval and supplemental special fund estimates, due to variation in quantities or prices, have been considered and acted upon.

The bath house is now well advanced and it is presumed will be thrown open to the public at an early date, although it may not be completed for several months.

Plans and specifications were also prepared for a power-house adjacent to the Washington bath house for use in connection both with that building and for the Lincoln bath house, and a special fund estimate has been approved in the amount of $38,910.60. This work is progressing conjointly with the main building.

Historic Monuments

Among the operations for the historical monuments for the State, sketches have been prepared for entrance portals of the Newtown battlefield; drawings for reinforced concrete steps approaching the monument on this battlefield; bronze tablet and new iron fence for the Schuyler mansion; and repairs to the administration building of the John Boyd Thatcher park.

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Kings Park State Hospital

For this hospital sketches were also made for a new group to provide accommodations for acute patients and contracts let for a building (similar to that at Central Islip) for 192 patients.

Sketches have been made for two buildings, each to house 100 tubercular patients. Work on these has been deferred through lack of funds.

Middletown State Hospital

At this hospital plans and specifications were also prepared for a one-story building to house forty-four tubercular patients; for a three-story building to house 300 chronic patients; for a two-story cottage to house thirty farm patients; a two-story laboratory and mortuary building and a one-story cow barn.

The tubercular patients' building and the cow barn are of frame construction. The chronic patients' building and the laboratory and mortuary are of brick with fireproof interior partitions and floor construction.

Manhattan State Hospital

Plans and specifications were prepared and contract awarded for a three-story brick addition to the main building to provide dining-room accommodations for 690 patients.

Plans and specifications were also prepared for an addition to the Verplanck building kitchen and for additional dining-room accommodations. Bids were received and the work set aside because of the excessive cost. The dining-room addition would have provided accommodations for 285 attendants and 570 patients.

Psychiatric Hospital—New York City

Sketches have been developed in anticipation of an appropriation for the building of a psychiatric hospital for the scientific study of mental diseases, this building to be located in New York city.

Utica State Hospital

Plans and specifications were prepared and contracts awarded for the rebuilding of the power-house and for installing water tube boilers, also for a two-story laboratory and mortuary building.

The mortuary and laboratory building, forty-three feet by sixty feet, contains autopsy, embalming room with cold vaults for bodies,

photography and dark room, museum for specimens and chapel in first story, and a library, four lavatories and toilet in second story.

Utica State Hospital — Marcy Division

Here has been begun the building of a new hospital unit to provide accommodations, when completed, for 3,000 patients.

Two buildings, each to house 300 chronic patients, and one building for 192 acute patients, have been placed under contract. These buildings are three stories high, brick with slate roofs, interior partitions and floors of fireproof construction.

The chronic patients' buildings each contain six forty-six-patient dormitories, six large day rooms, twenty-four single rooms for patients, three dining-rooms, three serving rooms together with all necessary accessory rooms, such as bath, linen, toilet, utility, nurses' record rooms, administrative offices and reception room. Apartments for attending physicians are also included.

The acute patients' building contains twelve fourteen-patient dormitories, six day rooms, twenty-four single rooms for patients, together with all necessary accessory rooms, baths, linens, toilets, utility and nurses' record rooms. In the center of the building on the first floor is located the administrative office and patients' and nurses' dining and serving rooms; on second floor, attending physicians' living quarters, prolonged baths and pack rooms; and on the third floor rooms for nurses.

Drawings and specifications are approaching completion for a central power-house with equipment; for underground tunnels and conduits, with necessary piping for heating the various buildings; for a superintendent's residence; for a laboratory and mortuary building and for a building to provide accommodations for 100 tubercular patients.

Willard State Hospital

As at Kings Park, drawings were developed here for a one-story frame building to house forty-four tubercular patients, but as the estimate exceeded the funds available the work was set aside.

Plans and specifications were prepared for new floor construction and tile floors in the dining-rooms for Sunnycroft and the Pines buildings. The work is being installed by the institutional authorities by special fund estimate.

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On account of the advancing cost of building construction, it was found necessary to make revised plans and specifications for the cottage for inmates at this institution, which has been done and the work put under contract at a cost within the amount of the appropriation.

Plans and specifications have also been prepared for an addition to the boiler-house; sketches made for alterations in old cottages and for finishing rooms in third story of the industrial building.

New York State Soldiers' and Sailors' Home, Bath

Plans and specifications have been prepared and contracts let for a new building to replace the building known as barracks H and I, which was destroyed by fire. Contracts have been awarded for this work.

New York State Reformatory for Women, Bedford Hills

The only work required by this institution during the past year has been the installation of window guards in the inmates' cottage of the farm group, and some reconstruction and equipment necessary to convert a portion of the old laundry building into a cold storage plant.

Thomas Indian School, Iroquois

Plans have been completed for a dairy and cold storage building, and plans and specifications prepared for the construction of a shop building, both of which are being constructed by the special fund estimate system, utilizing the institution help as far as possible.

Letchworth Village, Thiells

Plans and specifications were completed and work advertised early this year for eight cottages to comprise the adult female group, a service building and attendants' home for this group and underground tunnels to carry the heating and electrical distributing lines from the power-house to the adult female group. In connection with this tunnel there has been designed a concrete bridge across the creek near the power-house which serves both for traffic crossing and to carry the tunnel construction. This work has been followed by preparation of sketches, plans and specifications for an assembly hall and industrial building in the boys' group, extension of the tunnel and conduit work to the girls' group and an addition to the

central heating plant to provide for permanent boiler room and coal bunkers and a second addition to the power plant for additional apparatus, together with plans and specifications for a new radial brick chimney of a capacity to serve the present and future needs of the institution.

Soon after the above-mentioned work was placed under contract, the office started the preparation of plans and specifications for eight additional cottages to be known as the girls' group, a service building for this group and an addition to the industrial building in the boys' group. These buildings were of the same size and type of those designed for the adult female group, for which contracts have been awarded; but upon receipt of bids for the same, it was found that the cost of building construction had advanced to such an extent that the State was unable to let contracts within the funds available. After conference with the Board of Managers and at the request of the Board, revised plans and specifications were made for these cottages.

Eastern New York Reformatory, Napanoch

Plans and specifications were prepared for a horse and carriage barn and wagon sheds, which are now being constructed by inmate labor under the special fund estimate system.

State School for Mental Defectives, Newark

The only operation at this institution is the preparation of plans and specifications for one cottage for low-grade inmates.

Women's Relief Corps Home, Oxford

No work of great importance has been undertaken for this institution. The Department has prepared plans and specifications for a piggery, manure pit and slaughter-house.

Reformatory for Juvenile Delinquents, Randall's Island

Due to a severe local storm which unroofed the north wing of the main building at this institution, it was necessary to quickly make preparations to protect these buildings, and in connection with this work plans and specifications were prepared for rebuilding the roof.

ARMORIES

Troy

At Troy contracts were awarded for the construction of an armory to accommodate three companies of infantry and headquarters staff. The administration building is 49 feet by 129 feet, and the drill

CHARITABLE INSTITUTIONS

Western House of Refuge for Women, Albion

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ARMORIES

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Financial Statement for the Fiscal Year Ending June 30, 1918

Office Maintenance

Payrolls from July 1, 1917 to June 30, 1918

July, 1917	$12,607 17
August, 1917	12,948 31
September, 1917	12,522 10
October, 1917	12,781 08
November, 1917	12,421 50
December, 1917	12,322 63
January, 1918	12,528 40
February, 1918	12,619 01
March, 1918	12,619 01
April, 1918	13,013 19
May, 1918	13,304 74
June, 1918	12,984 87
Total	$152,672 01

Appropriated by chap. 181, Laws of 1917	$173,190 00
Payrolls from July 1, 1917 to June 30, 1918	152,672 01
Balance June 30, 1918	$20,517 99

Maintenance and Operation

From July 1, 1917 to June 30, 1918

July, 1917	$2,002 24
August, 1917	2,731 10
September, 1917	2,032 59
October, 1917	2,708 60
November, 1917	2,155 46
December, 1917	2,135 73
January, 1918	2,569 79
February, 1918	2,106 99
March, 1918	1,605 49
April, 1918	2,056 93
May, 1918	2,227 21
June, 1918	2,214 21
	$26,546 34

Appropriated by chap. 181, Laws 1917, Pt. I.....	$27,700 00
Appropriated by chap. 181, Laws 1917, Pt. II.....	2,000 00
Appropriated by chap. 646, Laws 1916, balance.....	993 68
	$30,693 68
Paid from July 1, 1917 to June 30, 1918.....	26,546 34
Balance June 30, 1918.....	$4,147 34

RECAPITULATION

Office maintenance.....	$152,672 01
Maintenance and operation.....	26,546 34
Total.....	$179,218 35

Financial Statement for the Fiscal Year Ending June 30, 1919

Payrolls from July 1, 1918 to June 30, 1919:

July, 1918	$13,393 58
August, 1918	13,396 71
September, 1918	12,898 33
October, 1918	13,145 05
November, 1918	12,732 71
December, 1918	12,991 05
January, 1919	13,894 09
February, 1919	14,066 08
March, 1919	14,066 07
April, 1919	13,941 91
May, 1919	14,032 76
June, 1919	13,987 10
Total	$162,545 44

Appropriated by chap. 151, Laws of 1918, Pt. I	$174,095 00
Paid from July 1, 1918, to June 30, 1919	162,545 44
Balance June 30, 1919	$11,549 56

MAINTENANCE AND OPERATION

July, 1918	$2,182 09
August, 1918	1,898 35
September, 1918	2,597 91
October, 1918	1,819 37
November, 1918	1,349 48
December, 1918	2,675 71
January, 1919	1,693 63
February, 1919	3,164 90
March, 1919	2,088 31
April, 1919	2,104 28
May, 1919	2,858 78
June, 1919	5,131 42
Total	$29,564 23

Appropriated by chap. 151, Laws 1918, Pt. I.....	$30,900 00
Appropriated by chap. 151, Laws 1918, Pt. II.....	3,200 00
Appropriated by chap. 181, Laws 1917, Pt. I, balance..	1,068 49
Appropriated by chap. 181, Laws 1917, Pt. II, balance	181 02
	$35,349 51
Paid from July 1, 1918 to June 30, 1919.....	29,564 23
Balance June 30, 1919.....	$5,785 28

RECAPITULATION

Office maintenance.....	$162,545 44
Maintenance and operation.....	29,564 23
Total.....	$192,109 67

Statement of Contracts in Force, Contracts Completed, and Certificates Issued on Contracts During the Fiscal Year July 1, 1917, to June 30, 1918, Inclusive

State Hospitals

Binghamton State Hospital, Binghamton, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Chronic	Heating	R. T. Ford Co.	$19,737 00	
		Deduct	164 00	
			$19,573 00	$3,835 25
*Chronic	Bumpers for toilets	Peter Keeler Building Co.	60 00	
Chronic	Lock keys	Lockwood Co.	6 26	6 26
*Boiler plant addition	Construction	Benedict Beck	9,847 00	
		Addition	219 23	
			$10,066 23	
		Deduct	384 55	
			$9,681 68	4,312 25
*Boiler plant addition	Heating	Gaylord Engineering & Construction Co.	17,893 00	
		Deduct	63 19	
			$17,829 81	4,602 75
*Laundry	Construction	A. E. Badgley	15,937 00	
		Addition	393 20	
			$16,330 20	
		Deduct	348 00	
			$15,982 20	13,282 10
*Laundry	Heating	R. T. Ford Co.	2,990 00	
		Addition	41 00	
			$3,031 00	
		Deduct	4 00	
			$2,927 00	2,155 70
*Laundry	Equipment	American Laundry Machinery Co.	7,919 00	6,343 55
Laundry	Plumbing and drainage	R. T. Ford Co.	1,800 00	1,800 00
*Laundry	Hardware	Lockwood Co.	224 00	
Boiler plant	Insurance	Rose & Kiernan	12 55	12 55
Boiler plant	Insurance	Rose & Kiernan	63 19	63 19

Buffalo State Hospital, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Water softening plant	Construction	International Filter Co.	$5,969 00	
		Deduct	37 20	
			$5,931 80	$858 15

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
Boiler plant	Heating	Johnston Heating Co.	$11,363 00	$2,710 00
Water softening plant	Insurance	Rose & Kiernan	1 20	1 20
Water softening plant	Insurance	Rose & Kiernan	18 00	18 00

Brooklyn State Hospital, Brooklyn, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Chronic	Construction	W. F. Plass & Bro., Inc.	$172,900 00	
		Addition	3,188 61	
			$176,088 61	
		Deduct	2,785 00	
			$173,303 61	$100,973 16
*Chronic	Heating	Johnston Heating Co.	34,931 00	
		Addition	160 00	
			$35,091 00	
		Deduct	40 00	
			$35,051 00	15,164 85
*Chronic	Plumbing and drainage	Peter Keeler Building Co.	19,422 00	
		Addition	1,315 00	
			$20,737 00	11,611 84
*Chronic	Electric	United Electric Construction Co.	7,490 00	
		Addition	525 00	
			$8,015 00	2,911 25
*Chronic	Hardware	Lockwood Co.	3,296 00	
		Addition	15 50	
			$3,311 50	
		Deduct	6 87	
			$3,306 63	
*Reception	Making core	Phillips & Worthington	1,065 60	
		Addition	14 67	
			$1,080 27	1,080 27
*Reception	Plumbing and drainage	John J. Kenney Co.	17,232 00	
		Addition	280 00	
			$17,512 00	5,372 00
*Reception	Construction	P. F. Kenny Co.	138,800 00	
		Addition	11,147 90	
			$149,947 90	
		Deduct	2,100 00	
			$147,847 90	8,742 25

Balance $53,602.11 cancelled.

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
*Reception	Electric	United Electric Construction Co	$3,645 00	
		Addition	372 00	
			$4,017 00	$1,678 75
*Reception	Heating	Edward Joy Co	16,485 00	
		Deduct	213 80	
			$16,271 20	8,443 45
*Reception	Hardware	Lockwood Co	2,469 00	
		Deduct	6 16	
			$2,462 84	
*Power-house	Boiler equipment, etc	A. Winternitz	66,000 00	
		Addition	77 68	
			$66,077 68	
		Deduct	1,560 33	
			$64,517 35	15,385 31
*Power-house	Removing ashes	James Finnimore	60 00	
*Power-house	Heating	W. B. Armstrong Co	19,948 00	
		Addition	221 00	
			$20,169 00	1,020 00
*Chronic	Sanitary	Altman Plumbing Co	3,685 00	
	*Lathing and plastering	George A. Amos	5,604 80	
		Deduct	250 00	
			$5,354 80	4,340 00
*Chronic	Construction	P. J. Brennan & Sons	234,800 00	
		Deduct	800 00	
			$234,000 00	
		Addition	132 21	
			$234,132 21	39,865 00
	Wire work	Wm. O. Chapman Co., Inc	6,000 00	
		Deduct	423 00	
			$5,577 00	5,577 00
*Reception	Fireproofing doors	Empire Fireproof Door Co	1,025 00	
	Linoleum	A. Fischer	6,720 00	
		Addition	294 00	
			$7,014 00	
		Deduct	22 96	
			$6,991 04	6,991 04
	Interior marble saddles	Charles M. Gray Marble & Slate Co	608 00	
		Addition	142 00	
			$750 00	750 00
Reception	Ornamental iron work	Sexauer & Lemke	2,100 00	2,100 00
*Chronic (west)	Electric	T. Fred'k Jackson	2,437 00	
*Chronic (east)	Electric	Jandous Elec. Equip. Co., Inc	12,790 00	

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
	*Composite floors.....	The Linotol Flooring Co.....	$914 45	
*Storehouse.....	Construction.....	Modern Const. Co.....	29,388 00	
		Addition	26 52	
			$29,414 52	
		Deduct	250 00	
			$24,031 64	
Storehouse.....	Hardware.....	Lockwood Co.....	205 00	$205 00
*Storehouse.....	Refrigeration.....	Karl Vesterdahl Co....	16,340 00	
		Addition	55 50	
			$16,395 50	
		Deduct	25 00	
			$16,370 50	12,465 67
*Chronic (east).....	Sanitary.....	Thomas E. O'Brien....	30,500 00	
		Addition	42 83	
			$30,542 83	3,256 35
	*Interior trim.....	H. W. Palen's Sons, assigned to Commercial Trust Co. of New York.....	10,087 35	
*Reception.....	Glass.....	Pittsburgh Plate Glass Co.....	488 00	
*Chronic.....	Construction.....	Rangeley Construction Co.....	53,647 00	
		Addition	50 00	
			$53,697 00	5,270 00
*Administration building.....	Hardware.....	Albany Hardware & Iron Co.....	675 00	
Reception.....	Tile work.....	Wm. H. Jackson Co...	4,770 00	
		Addition	258 34	
			$5,028 34	5,028 34
*Chronic.....	Electric elevators.....	Otis Elevator Company.	19,650 00	
Power-house.....	Insurance.....	I. Seideman.....	62 16	62 16
Power-house.....	Insurance.....	Rose & Kiernan.....	18 10	18 10
*Storage bldg.....	Refrigeration equipment..	K. Vesterdahl & Co....	29,855 00	
*Reception.....	Three dumbwaiters.....	A. J. Rosell.....	560 00	
*Chronic (west)....	Heating.....	E. Rutsler Co.....	4,479 00	
*Chronic (east)....	Heating.....	E. Rutsler Co.....	40,342 00	
*Reception.....	Linoleum.....	Standard Carpet Co...	837 25	
Reception.....	Insurance.....	J. L. Nolan Agency....	215 14	215 14
*Laundry.....	Construction.....	P. J. Brennan & Sons...	34,870 00	
*Laundry.....	Sanitary.....	T. E. O'Brien, Inc.....	1,598 00	
*Laundry.....	Heating.....	W. B. Armstrong Co...	6,658 00	
*Laundry.....	Electric.....	J. J. Gallagher Co., Inc.	1,585 00	
*Laundry.....	Underground service connections.....	W. B. Armstrong Co...	9,230 00	
Power-house.....	Insurance.....	I. Seidemann.....	18 11	18 11

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Central Islip State Hospital, Central Islip, N. Y.

Building	Work	Contractor	Contract	Certificates issued
	Conduit and steam pipe line	W. B. Armstrong Co.	$19,940 00	
		Deduct	75 00	
			$19,865 00	$3,375 00
Water supply	New wells	A. J. Connolly	4,800 00	
		Deduct	30 00	
			$4,770 00	
		Addition	392 00	
			$5,162 00	5,162 00
*Laundry extension	Construction	John D. Cosgrove	23,734 00	
		Addition	110 00	
			$23,844 00	
		Deduct	185 00	
			$23,659 00	19,303 48
*Laundry	Equipment	American Laundry Machine Co.	9,188 00	
*Laundry extension	Hardware	The Lockwood Co.	134 00	
*Heating plant	Sanitary	Christopher Nally	3,297 00	1,232 50
*Power house	Construction	Benjamin Raynor	89 660 00	
		Addition	667 20	
			$90,327 20	42,338 50
*Heating and lighting plant	Boilers	Babcock & Wilcox Co.	66,933 00	
*Heating and lighting plant	Heating	W. B. Armstrong Co.	26,588 00	

Gowanda State Hospital, Gowanda, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Water supply	New well	Artesian Well & Supply Co.	$1,800 00	
		Addition	1,178 00	
			$2,978 00	$2,978 00

Hudson River State Hospital

Building	Work	Contractor	Contract	Certificates issued
*Water supply	Sanitary work	Hembdt, Helling & Bishop	$38,500 00	

* An asterisk indicates that the contract was in force July 1, 1918.

Kings Park State Hospital, Kings Park, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Employees' home..	Construction.....	McKeown Const. Co., Inc.....	$71,379 00	
		Addition	25 00	
			$71,404 00	
		Deduct	1,275 00	
			$70,129 00	$46,450 55
*Employees' home..	Hardware.....	Lockwood Co.....	1,115 00	
		Addition	7 40	
			$1,122 40	
*Employees' home..	Heating.....	W. B. Armstrong Co..	6,767 00	3,480 00
*Employees' home..	Electric.....	Commercial Construction Co.....	2,662 00	1,020 00
*Refrigerating plant.	Refrigerating machine....	H. W. Johns-Manville Co.....	3,695 00	
*Employees' home..	Plumbing and drainage...	Thos. E. O'Brien, Inc..	10,093 00	
		Addition	174 51	
			$10,267 51	3,513 05
Cottages 1, 3 & 4...	Construction.....	Maurice Mead.....	72,000 00	
		Addition	5,109 05	
			$77,109 05	
		Deduct	865 94	
			$76,243 11	13,289 31
Water supply.....	New wells.....	A. J. Connolly.....	3,995 00	
		Addition	165 00	
			$4,160 00	
		Deduct	30 15	
			$4,129 85	1,307 98

Manhattan State Hospital, Ward's Island, N. Y.

Building	Work	Contractor	Contract	Certificates issued
200-patient bldg....	Heating.....	Walker & Chambers..	$16,200 00	
		Addition	25 00	
			$16,225 00	
		Deduct	218 00	
			$16,007 00	$2,470 75
*Power plant.....	Heating work.....	W. B. Armstrong Co..	41,200 00	
		Addition	312 11	
			$41,512 11	
		Deduct	160 00	
			$41,352 11	6,928 11
Power plant.....	Plumbing and drainage...	R. T. Ford Co.....	2,793 00	
		Addition	544 87	
			$3,337 87	1,601 43

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
*Power plant.....	Repairing fire alarm.....	Gamewell Co.....	$76 05	
Power plant.....	Electric.....	Jandous Electric Equipment Co.....	2,250 00	
		Deduct	22 00	
			$2,228 00	$1,446 00
*150-patient bldg...	Heating.....	Walker & Chambers..	11,425 00	
		Deduct	142 00	
			$11,283 00	1,678 00
*Power plant.....	Heating.....	Walker & Chambers...	89,720 00	
		Addition	200 00	
			$89,920 00	
		Deduct	712 28	
			$89,207 72	8,912 25
*Street lighting.....	Electric.....	Isidor Fajans.....	12,345 00	
		Deduct	72 00	
			$12,273 00	6,362 68

Middletown State Hospital, Middletown, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Power house.....	Heating.....	R. T. Ford Co.....	$74,393 00	
		Addition	117 00	
			$74,510 00	
		Deduct	230 00	
			$74,280 00	$14,528 40
Power house.....	Electric.....	Buffalo Electric Co....	3,972 00	
		Deduct	30 00	
			$3,942 00	629 55
Power house.....	Heating.....	Gillis & Geoghegan....	9,985 00	1,565 75
*Tubercular patients	Construction.....	Giles, Giles & Co.....	21,331 00	
		Deduct	700 00	
			$20,631 00	9,007 45
*Tubercular patients	Heating.....	George E. Gibson Co...	2,790 00	
*Tubercular patients	Plumbing and drainage...	George E. Gibson Co...	1,648 00	
*Tubercular patients	Electric.....	Devoe Electrical Co....	895 00	
*Tubercular patients	Hardware.....	P. & F. Corbin Division.	450 00	
*Tubercular patients	Construction.....	Giles, Giles & Co.....	$21,331 00	

Rochester State Hospital, Rochester, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Livingston building addition.....	Construction.....	W. F. Martens & Co..	$21 100 00	
		Addition	362 47	
			$21,462 47	
		Deduct	275 00	
			$21,187 47	$17,462 40

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
*Livingston building addition	Heating	P. T. Ford Co.	$3 778 64	2,,125 00
*Livingston building addition	Electric	O'Connell Electric Co.	748 00	493 00
Nurses home	Fire escapes	Youngs' Wrought Iron Works	820 00	820 00
Disturbed patients	Hardware	Mathews & Boucher	320 00	520 00

Willard State Hospital, Willard, N. Y.

Building	Work	Contractor	Contract	Certificates issued
	Fire escapes	Wander Iron Works	$5,600 00	
		Deduct	17 27	
			$5,582 73	$1,067 53
*Sunnycroft bldg	Construction	Gerstner & Statt	4,400 00	2,443 75

St. Lawrence State Hospital

Building	Work	Contractor	Contract	Certificates issued
*Power plant	Construction of chimney	Wm. Summerhays & Sons	$9,778 00	
		Addition	85 00	
			$9,863 00	
		Deduct	160 00	
			$9,703 00	$1,062 50
Coal shed	Construction	Proctor Mfg. Co.	8,480 00	8,480 00

Western House of Refuge, Albion

Building	Work	Contractor	Contract	Certificates issued
Sprague Cottage	Changes	H. C. Belson	$469 00	$469 00
Boyd Cottage	Repairs	H. C. Belson	470 00	470 00
Hart Cottage	Repairs	H. C. Belson	470 00	470 00
*Boiler house	Construction of addition	H. C. Belson	1,000 00	
*Boiler house	Two new boilers	Wm. F. Devendorf & Co.	11,950 00	179 25
*Boiler house	Connection for 2 boilers	M. J. Hawkins	11,947 00	

Soldiers' and Sailors' Home, Bath

Building	Work	Contractor	Contract	Certificates issued
*Steam plant	Heating	Murtagh & Reddington	$10,500 00	$7,896 50

School for the Blind, Batavia

Building	Work	Contractor	Contract	Certificates issued
School	Additional toilets, etc., construction	John Lennon Son Co.	$1,535 00	$906 00
School	Additional toilets, etc., plumbing	Vols Secord Co., Inc.	924 50	924 50

* An asterisk indicates that the contract was in force July 1, 1918.

State Reformatory for Women, Bedford

Building	Work	Contractor	Contract	Certificates issued
*Laundry	Equipment	American Laundry Machinery Co	$7,642 00	
		Addition	350 00	
			$7,992 00	$4,250 00
Rewiring buildings	Electric	T. Frederick Jackson, Inc	4,065 00	
		Addition	50 00	
			$4,115 00	4,115 00

State Training School for Girls, Hudson

Building	Work	Contractor	Contract	Certificate issued
Contagious hospital	Heating	J. J. Horan & Co	$4,912 00	
		Addition	950 00	
			$5,862 00	
		Deduct	1,051 00	
			$4,811 00	$4,511 00
	Heating	Underfeed Stoker Co	2,749 00	
		Deduct	50 00	
			$2,699 00	2,699 00
Stokers for boilers	Heating	Underfeed Stoker Co	2,300 00	2,300 00

Letchworth Village, Thiells

Building	Work	Contractor	Contract	Certificates issued
*Cottages E. F, G and H	Construction	Kelly & Kelly, Inc	$112,500 00	
		Addition	8,920 86	
			$121,420 86	$57,687 80
*Cottages E, F, G and H	Plumbing and drainage	R. T. Ford Co	17,366 00	
		Addition	160 00	
			$17,526 00	
		Deduct	107 44	
			$17,418 56	340 00
*Cottages E. F. G and H	Heating	Adams, Brits & Co	25,841 00	3,825 00
*Cottages E, F, G and H	Electric	W. H. Straut Co	3,730 00	1,423 75
*Cottages E, F, G and H	Electric	Mack & Mack	2,498 00	
*Cottages E, F, G and H and storehouse	Expert services	Werner Nygren	Percentage 6 per cent	700 00

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
*Laundry	Construction	Harriman Industrial Corp.	$22,315 00	
		Addition	702 00	
			$23,017 00	
		Deduct	122 50	
			$22,894 50	
*Laundry	Heating	J. J. Horan & Co.	4,482 00	
		Addition	122 00	
			$4,604 00	$1,445 21
*Laundry	Plumbing and drainage	Peter Keeler Bldg. Co.	2,415 00	
		Addition	107 50	
			$2,522 50	
Laundry	Hardware	Sargent & Company	98 69	98 69
*Laundry	Equipment	Troy Laundry Machinery Co.	3,278 00	471 75
*Laundry	Conduit and wiring	W. H. Straut Co.	45 00	
		Addition	30 00	
			$75 00	
Attendants' home	Construction	H. H. Vought & Co.	35,619 00	
		Addition	525 00	
			$36,144 00	
		Deduct	662 50	
			$35,481 50	5,905 80
Attendants' home	Plumbing and drainage	John J. Kenney Co.	5,500 00	868 90
Attendants' home	Heating	J. J. Horan & Co	6,134 00	
		Addition	277 99	
			$6,411 99	2,416 99
Attendants' home	Hardware	Sargent & Co.	768 54	
		Addition	13 49	
			$782 03	782 03
Service building	Construction	H. H. Vought & Co.	36,973 00	
		Deduct	232 55	
			$36,740 45	5,000 00
*Service building	Plumbing, drainage, etc.	John J. Kenney Co.	7,433 00	
		Addition	40 00	
			$7,473 00	
		Deduct	63 53	
			$7,409 47	
Service building	Heating	J. J. Horan & Co.	7,482 00	
		Addition	69 24	
			$7,551 24	2,506 49
Service building	Electric	W. H. Straut Co.	517 00	
		Addition	105 00	
			$622 00	418 00
Service building	Hardware	Sargent & Company	309 30	309 30

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
*Storehouse, bakery, etc.	Construction	George T. Kelly	$48,888 00	
		Deduct	1 20	
			$48,886 80	$24,070 30
*Storehouse, bakery, etc.	Plumbing and drainage	John J. Kenney Co.	4,914 00	2,592 50
*Storehouse, bakery, etc.	Electric	Mack & Mack	1,865 00	
Alterations to dam, construction	Construction	Jacob W. Holler	4,645 00	4,645 00
*Sewer system	Sanitary work	Charles Dykins, Jr.	5,700 00	
		Addition	406 50	
			$6,106 50	1,770 23
Two bridges	Construction	Erie R. R. Co.	11,000 00	11,000 00
*Underground connections	Sanitary	R. T. Ford Co.	8,745 00	7,082 45
	*Expert services	Werner Nygren	percentage 6 per cent	4,659 87
	*Expert services	Nygren, Tenney & Ohmes	Percentage 6 per cent	347 62
*Attendants' home	Belts	Irving Hill	63 30	
*Assembly hall, etc.	Construction	Peter Keeler Bldg. Co.	346,222 00	
		Deduct	562 10	
			$345,659 90	35,024 25
*Assembly hall, etc.	Electric	G. E. Engineering Co.	6,888 00	
*Assembly hall, etc.	Plumbing and drainage	Wells, Newton Co. of New York	37,952 00	
*Female group	Heating	John C. Williams, Inc.	52,674 00	
*Assembly hall, etc.	Heating	John C. Williams, Inc.	76,767 00	
*Attendants' home and service bldg.	Heating	Miller & Brady, Inc.	8,668 00	
*Female group	Electric service connections	Mack & Mack	8,467 10	
	*Bridge	Peter Keeler Bldg. Co.	13,797 00	680 00
*Attendants' home and service bldg.	Construction	Peter Keeler Bldg. Co.	81,822 00	
		Addition	11 00	
			$81,833 00	
		Deduct	45 00	
			$81,788 00	
*Attendants' home and service bldg.	Electric	W. H. Straut Co.	2,400 00	
*Attendants' home and service bldg.	Plumbing and draining	Wells & Newton Co.	11,700 00	
Laundry building	Composite metal lath	Composite Metal Lath Co.	2,337 50	2,337 50
*Refrigerating plant	Equipment	The Carbondale Machine Co.	27,000 00	
*Services	Consulting engineer	Werner Nygren	7,500 00	

* An asterisk indicates that the contract was in force July 1, 1918.

Eastern New York Reformatory

Building	Work	Contractor	Contract	Certificates issued
*Hospital.....	Steel and iron stairs.....	Montour Steel Co.....	$9,461 00	
		Deduct	48 00	
			$9,413 00	

State Custodial Asylum, Newark

Building	Work	Contractor	Contract	Certificates issued
Boiler house.....	Construction.....	E. J. Forbes & Son.....	$34,294 00	
		Addition	330 25	
			$34,624 25	
		Deduct	41 60	
			$34,582 65	$5,804 84
Boiler house add....	Heating.....	W. B. Armstrong Co...	26,945 00	
		Addition	272 75	
			$27,217 75	
		Deduct	9 60	
			$27,208 15	10,934 20
Power-house.....	Engine dynamo.....	T. Frederick Jackson, Inc.....	3,441 00	2,624 15
*Boiler-house.....	New boilers.....	W. B. Armstrong Co...	14,378 00	11,560 00
Boiler-house.....	Repairs to old boilers.....	Wm. F. Devendorf Co..	5,598 00	5,598 00
*Boiler-house.....	Heating stokers and piping	Wm. F. Devendorf Co..	13,898 00	
		Addition	126 00	
			$14,024 00	
		Deduct	40 00	
			$13,984 00	10,654 75
92-inmate cottage...	Heating.....	R. T. Ford Co.....	6,637 00	
		Deduct	84 00	
			$6,553 00	1,391 80
Water purification plant.....	Filter.....	Norwood Engineering Co.....	12,980 00	
		Deduct	127 50	
			$12,852 50	
		Addition	30 00	
			$12,882 50	12,882 50
Water tower.....	Sanitary.....	Pittsburgh DesMoines Steel Co.....	7,083 00	
		Addition	175 00	
			$7,258 00	2,478 45
*Hospital building..	Construction.....	O. E. Schuman.....	4,500 00	

* An asterisk indicates that the contract was in force July 1, 1918.

Woman's Relief Corps Home, Oxford

Building	Work	Contractor	Contract	Certificates issued
*Sewage disp. plant.	Construction.....	Nash & Griffin.....	$4,565 00	
		Addition	277 00	
			$4,842 00	$579 70
Water supply.....	Construction.....	Suburban Engineering Co.....	3,396 00	
		Deduct	10 00	
			$3,386 00	1,983 50

Rome Custodial Asylum, Rome

Building	Work	Contractor	Contract	Certificates issued
Dormitory bldg....	Construction.....	George Baker Long....	$88,500 00	
		Addition	14,156 32	
			$102,656 32	
		Deduct	1,377 44	
			$201,278 88	$24,345 50
Dormitory bldg....	Plumbing and drainage...	R. T. Ford Co.....	9,973 00	
		Addition	937 51	
			$110,910 51	1,970 29
Dormitory bldg....	Heating.....	R. T. Ford Co.....	18,767 00	
		Addition	942 00	
			$19,709 00	3,635 50
*Dormitory bldg...	Electric.....	Langdon & Hughes Electric Co., Inc.....	3,663 00	
Dormitory bldg....	Hardware.....	Wardwell Hardware Co.	1,790 00	
		Addition	23 00	
			$1,813 00	1,813 00
Dormitory bldg.....	Water for construction work.....	Rome City Water Works.....	152 44	152 44

Craig Colony for Epileptics, Sonyea

Building	Work	Contractor	Contract	Certificates issued
Dormitories 2 and 3	Construction.....	Curran & Swartout....	$52,500 00	
		Addition	761 20	
			$51,738 80	$37,696 15
Dormitories 2 and 3	Plumbing and drainage...	R. T. Ford Co.....	8,739 00	
		Addition	207 00	
			$8,946 00	
		Deduct	38 40	
			$8,907 60	8,907 60

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
Dormitories 2 and 3	Heating	R. T. Ford Co.	$7,261 00	
		Deduct	4 00	
			$7,257 00	$7,257 00
Dormitories 2 and 3	Electric	Alfred J. Beuerlein	2,475 00	
		Deduct	12 00	
			$2,463 00	2,463 00
Cold storage plant alterations, etc.	Construction	Leo J. Held	10,889 00	
		Addition	474 77	
			$11,363 77	
		Deduct	22 00	
			$11,341 77	5,846 97
Cold storage plant	Plumbing and drainage	R. T. Ford Co.	2,027 00	1,206 75
*Cold storage plant	Refrigeration equipment	Karl Vesterdahl Co.	13,510 00	11,096 75
Cold storage plant	Electric	Alfred J. Beuerlein	1,048 00	1,048 00
Cold storage plant	Refrigeration equipment	Karl Vesterdahl Co.	1,850 00	1,850 00
*Water supply addition, etc.	Construction	Clarence A. Foote	20,683 00	
		Addition	1,868 00	
			$22,551 00	16,557 58
*Water supply addition, etc.	Heating	C. A. Foote	1,962 00	1,228 25
Water supply addition, etc.	Electric	Alfred J. Beuerlein	178 00	178 00
Dormitories 2 and 3	Hardware	Buffalo Wholesale Hardware Co.	430 00	
		Addition	7 50	
			$437 50	437 50

Syracuse Institution, Syracuse

Building	Work	Contractor	Contract	Certificates issued
*Boys' building	Reconstruction of heating system	R. Gildea	$4,000 00	

Hospital for Crippled and Deformed Children, West Haverstraw

Building	Work	Contractor	Contract	Certificates issued
*Hospital	Plumbing and drainage	Joseph F. Egan	$2,799 00	
		Addition	245 17	
			$3,044 17	
Hospital	Hot water boiler	Ethelbert Benson	124 00	$124 00
*Completing hosp.	Construction	Wm. H. Egan	41,923 00	
		Deduct	794 45	
			$41,128 55	
		Addition	400 00	
			$41,528 55	30,367 95

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
*Completing hosp...	Plumbing and drainage...	Joseph F. Egan.....	$5,465 00	
		Addition	405 17	
			$5,870 17	$2,227 13
*Completing hosp...	Heating.....	Conkling, Kerber & Hanlon.....	4,625 00	
		Addition	146 45	
			$4,771 45	3,626 95
*Completing hosp...	Electric.....	W. H. Straut Co.....	794 00	195 50
*Completing hosp...	Hardware.....	Lockwood Co.....	909 00	
		Addition	8 85	
			$917 85	
Laundry building...	Construction.....	N. R. Valkenburgh....	3,387 00	
		Addition	40 41	
			$3,927 41	3,927 41
Laundry building...	Equipment.....	Troy Laundry Machinery Co.....	3,755 00	
Brick laundry.....	Plumbing and drainage...	Christopher Nally.....	697 00	697 00

Clinton Prison

Building	Work	Contractor	Contract	Certificates issued
Tuberculosis hosp...	Plumbing and drainage...	The G. S. Blodgett Co.	$7,298 00	
		Deduct	240 00	
			$7,059 00	$7,059 00
*Tuberculosis hosp..	Heating.....	Nash & Mead.....	8,565 00	
		Deduct	600 00	
			$7,965 00	
Tuberculosis hosp...	Hardware.....	Lockwood Co.....	1,709 00	
		Addition	45 00	
			$1,754 00	1,754 00

Wingdale Prison

Building	Work	Contractor	Contract	Certificates issued
*New farm and industrial prison...	Construction and grading.	Fallkill Const. Co., Inc.	$40,000 00	$17,153 00
*New farm and industrial prison...	Heating.....	Edward Joy Co.....	155,000 00	
*New farm and industrial prison...	Sanitary.....	John J. Kenney Co....	111,500 00	
		Addition	100 00	
			$111,600 00	11,492 00
*New farm and industrial prison...	Sewage disposal.....	N. Y. Sewage Disposal Co.....	37,659 00	
		Addition	1,316 00	
			$38,975 00	
		Deduct	79 43	
			$38,895 57	24,137 69

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificate issued
*New farm and industrial prison...	Electric.....	Wheeler-Green Electric Co.....	$23,774 00	
*New farm and industrial prison....	Construction.....	Feeney & Sheehan Bldg. Co.....	706,000 00	

ARMORIES

Rochester Armory

Building	Work	Contractor	Contract	Certificates issued
Armory.....	Service lines.....	Rochester Railway & Light Co.....	$270 00	
		Deduct	27 50	
			$241 50	$241 50
*Armory.....	Construction.....	R. T. Ford Co.....	86,330 00	
		Addition	245 86	
			$86,575 86	
		Deduct	800 00	
			$85,775 86	49,944 28
Armory.....	Plumbing and drainage...	F. S. Conkling.....	6,925 00	
		Addition	285 00	
			$7,210 00	4,808 75
*Armory.....	Heating.....	Wm. F. Devendorf & Co.....	4,993 00	3,495 20
*Armory.....	Electric.....	Wheeler-Green Electric Co.....	2,387 00	1,463 70
Armory.....	Hardware.....	Lockwood Co.....	779 00	779 00

Yonkers Armory

Building	Work	Contractor	Contract	Certificates issued
Armory.....	Construction.....	Kelly Construction Co.	$74,707 00	
		Addition	5,166 37	
			$79,873 37	
		Deduct	5,157 00	
			$74,716 37	$15,170 16
Armory.....	Plumbing and drainage...	P. F. Kenny Co.....	5,800 00	
		Addition	597 45	
			$6,397 45	
		Deduct	30 02	
			$6,367 43	3,955 64
*Armory.....	Heating.....	A. B. Barr & Co.....	5,100 00	
		Addition	10 00	
			$5,110 00	
		Deduct	17 00	
			$5,093 00	1,478 75

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
Armory	Electric	Isidor Fajans	$2,480 00	
		Addition	137 00	
			$2,617 00	
		Deduct	70 60	
			$2,546 40	$1,692 15
Armory	Hardware	Lockwood Co	560 00	
		Addition	10 93	
			$570 93	570 93
Armory	Insurance	J. L. Nolan Agency	17 02	17 02

Albany Armory

Building	Work	Contractor	Contract	Certificates issued
Armory	Grading, drainage, etc.	George Holler	$5,450 00	
		Addition	1,305 00	
			$6,755 00	$1,886 87

NORMAL SCHOOLS

Buffalo Normal School

Building	Work	Contractor	Contract	Certificates issued
*Filter	Sanitary	Roberts Filter Mfg. Co.	$1,172 00	

New Paltz Normal School

Building	Work	Contractor	Contract	Certificates issued
*School	Electric	Jandous Electric Equipment Co	$4,590 00	
*School	Construction	Feeney & Sheehan Bldg. Co	89,991 00	
		Deduct	106 00	
			$89,885 00	$8,058 00
*School	Sanitary	John J. Kenney Co	7,650 00	
*School	Heating	H. C. Petersen Co., Inc	17,560 00	

Potsdam Normal School

Building	Work	Contractor	Contract	Certificates issued
*New building	Construction	Bradley & Weed, Inc.	$237,400 00	
		Addition	571 25	
			$237,971 25	
		Deduct	16,887 00	
			$221,084 25	$138,461 58

*An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
*New building.....	Extension.....	Bradley & Weed, Inc..	86,990 00	
		Addition	246 42	
			$87,236 42	$55,891 12
*New building.....	Heating.....	R. Gildea.....	30,000 00	
		Addition	1,700 00	
			$31,700 00	13,642 50
*New building.....	Electric.....	Jandous Electric Equipment Co.....	6,775 00	
		Addition	185 00	
			$6,960 00	3,060 00
*New building.....	Plumbing and drainage...	John J. Kenney Co....	13,442 00	
		Addition	5,627 00	
			$19,069 00	10,194 92
*New building.....	Heating.....	R. Gildea.....	5,500 00	22,040 00
*New building.....	Electric.....	Jandous Electric Equipment Co., Inc.....	1,650 00	
*New building.....	Hardware.....	Lockwood Co.....	1,531 00	

Cattaraugus Reservation Normal School

Building	Work	Contractor	Contract	Certificates issued
*New building.....	Construction.....	Kennedy & Scullen Construction Co., Inc.	$2,700 00	$1,075 25

EDUCATIONAL

Schoharie School of Agriculture, Cobleskill

Building	Work	Contractor	Contract	Certificates issued
Dairy and horse barn.....	Construction.....	Edgar Johnston.....	$13,490 00	
		Addition	315 17	
			$13,805 17	
		Deduct	151 75	
			$13,653 42	$2,429 52
Dairy and horse barn.....	Hardware.....	Lockwood Co.....	97 00	
		Addition	6 10	
			$103 10	103 10
Dairy and horse barn.....	Plumbing and drainage...	Conkling, Kerber & Hanlon.....	1,695 00	
		Addition	180 00	
			$1,875 00	289 75
Dairy and horse barn.....	Electric.....	Finch & Hahn.....	574 00	574 00

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
*Dairy building....	Construction.....	Bame & Cardell.....	25,342 00	
		Addition	1,040 48	
			$26,382 48	
		Deduct	350 00	
			$26,032 48	$20,519 18
Dairy building.....	Heating.....	R. T. Ford Co.....	1,881 27	1,881 27
*Dairy building....	Plumbing and drainage...	R. T. Ford Co.....	3,472 00	
		Addition	40 00	
			$3,512 00	
		Deduct	80 00	
			$3,432 00	2,799 20
*Dairy building....	Electric.....	Finch & Hahn.....	1,845 00	454 75
Dairy building.....	Hardware.....	Lockwood Co.....	313 00	
		Addition	17 92	
			$330 92	$330 92

Morrisville

Building	Work	Contractor	Contract	Certificates issued
*Laboratory.....	Construction.....	Wm. L. Field.....	$51,800 00	
		Addition	685 00	
			$52,485 00	$3,196 00
*Laboratory.....	Heating.....	H. J. Brandeles & Co..	8,676 95	
*Laboratory.....	Electric.....	J. & M. Electric Co....	2,335 00	
*Laboratory.....	Plumbing and draining...	Murtagh & Reddington.....	5,400 00	

Cornell University

Building	Work	Contractor	Contract	Certificates issued
Greenhouses.....	Electric.....	Davis-Brown Electric Co., Inc.....	$98 50	$98 50
Addition to forestry building.....	Construction.....	Edward Sprigg.....	1,297 52	
		Deduct	16 90	
			$1,280 62	1,280 62
Alterations and additions to stock judging pavilion..	Construction.....	W. D. McElwee.....	3,098 00	2,814 10
Drill hall.....	Heating.....	John W. Danforth Co..	21,927 00	
		Addition	241 00	
			$22,168 00	
		Deduct	150 79	
			$22,017 21	7,237 66

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
Drill hall	Construction	Eastern Concrete Steel Co.	$199,750 00	
		Addition	7,051 38	
			$206,801 38	
		Deduct	1,566 72	
			$205,234 66	$41,239 55
Drill hall	Plumbing and drainage	R. T. Ford Co.	12,537 00	
		Addition	264 00	
			$12,801 00	
		Deduct	18 80	
			$12,782 20	3,666 80
Drill hall	Electric	I. Fajans	9,698 00	
		Deduct	16 00	
			$9,682 00	2,367 75
Palm and decorative plant house	Construction	Lord & Burnham Co.	2,640 00	
		Addition	98 81	
			$2,738 81	
		Deduct	11 21	
			$2,727 60	1,698 68
Palm and decorative plant house	Heating and plumbing	Lord & Burnham Co.	848 00	
		Addition	175 00	
			$1,023 00	
		Deduct	43 32	
			$979 68	979 68
Underground conduits	Heating	John W. Danforth Co.	24,000 00	6,285 95
*Plant bldgs	Architect's services	Green & Wicks	7,500 00	3,000 00
Cattle barn	Construction	Kenney & Scullen Construction Co.	7,498 80	
		Addition	21 00	
			$7,519 80	7,519 80
*Cattle barn	Heating	Forest City Plumbing Co.	580 00	374 00
Cattle barn	Plumbing and drainage	Forest City Plumbing Co.	2 462 00	
		Addition	132 50	
			$2,594 50	1,474 75
*Piggery	Construction	G. M. Van Alstyne	6,999 00	5,530 95

* An asterisk indicates that the contract was in force July 1, 1918.

State School of Agriculture and Domestic Science, Delhi

Building	Work	Contractor	Contract	Certificates issued
Dairy barn	Construction	B. Beck	$17,443 00	
		Addition	927 50	
			$18,370 50	
		Deduct	461 80	
			$17,908 70	$4,486 98
Dairy barn	Plumbing and drainage	H. S. Graham & Sons	2,885 00	1,363 50
Dairy barn	Electric	Edward Joy Co	526 00	526 00
*Dairy barn	Construction	R. H. Hume	490 00	
Dairy barn	Hardware	Albany Hardware & Iron Co	40 00	
		Addition	4 20	
			$44 20	44 20

State School of Agriculture on Long Island, Farmingdale

Building	Work	Contractor	Contract	Certificates issued
Hog houses	Construction	Smith & Beierling	$1,475 00	$905 50
Horse barn	Construction	Smith & Beierling	3,868 00	
		Addition	32 69	
			$3,900 69	
		Deduct	100 00	
			$3,800 69	3,800 00
Boiler plant	Insurance	I. Siedemann	165 12	165 12
	Insurance	Kronoff & Brunck	65 50	65 50
	Insurance	Rose & Kiernan	64 18	64 18
*Boiler plant	Boiler plant piping and conduit	A. Winternitz	$103,000 00	
		Addition	206 53	
			$103,206 53	
		Deduct	1,386 58	
			$101,819 95	

Syracuse College of Forestry, Syracuse University

	Work	Contractor	Contract	Certificates issued
*Forestry bldg	Heating	Willard E. Lape	$14,597 00	
		Addition	551 00	
			$15,148 00	
		Deduct	10 00	
			$15,138 00	$2,670 35
Forestry bldg	Electric	Ed. Joy Co	5,418 00	
		Addition	1,662 86	
			$7,080 86	100 00

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Building	Work	Contractor	Contract	Certificates issued
Heating plant.....	Heating.....	Leavery Heating & Ventilating Co.....	$12,968 00	
		Addition	275 00	
			$13,243 00	
		Deduct	34 00	
			$13,209 00	$5,725 20

Onondaga Indian Reservation

Building	Work	Contractor	Contract	Certificates issued
Teacher's cottage...	Plumbing.....	Kelsey Heating Co., Inc.	$425 00	
		Deduct	9 75	
			$415 25	$234 20
Teacher's cottage...	Heating.....	Leavery Heating & Ventilating Co.....	538 00	
		Deduct	5 00	
			$533 00	164 95

New York State Institute for Deaf Mutes, Malone

Building	Work	Contractor	Contract	Certificates issued
Kindergarten bldg..	Construction.....	B. Beck.....	$18,994 00	
		Addition	1,941 00	
			$20,935 00	
		Deduct	387 50	
			$20,547 50	$6,902 88
Kindergarten bldg..	Plumbing and drainage..	Frank H. Monaghan...	1,530 00	
		Deduct	10 00	
			$1,520 00	780 50
Kindergarten bldg..	Heating.....	Frank H. Monaghan...	1,583 00	
		Addition	124 61	
			$1,707 61	409 66
Kindergarten bldg..	Electric.....	E. Joy Co.....	594 00	
		Addition	196 00	
			$790 00	790 00
Kindergarten bldg..	Hardware.....	Lockwood Co.....	344 00	
		Addition	26 57	
			$370 57	370 57

St. Lawrence University

Building	Work	Contractor	Contract	Certificates issued
Shop building.....	Construction.....	J. D. Flack.....	$2,484 00	
		Addition	85 00	
			$2,569 00	
		Deduct	100 00	
			$2,469 00	$298 10
[illegible] building.....	Heating.....	Barnes & Smithers....	225 00	225 00

sterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
Shop building.....	Changing switchboard...	Canton Electric Light & Power Co.....	$154 15	
		Addition	86 07	
			$240 22	$240 22

PUBLIC BUILDINGS

State Capitol, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Capitol.....	Electric, Room 309.....	Alpha Electric Const. Co.....	$223 00	$223 00
Capitol.....	Electric, Supt. of Prisons.	Alpha Electric Const. Co.....	1,783 00	
		Addition	70 50	
			$1,853 50	
		Deduct	93 00	
			$1,760 50	787 25
Capitol.....	Construction, Toilet Rm. 609A.....	John H. Harrigan.....	2,200 00	908 00
Capitol.....	Repairs, Attorney General's office.....	Russell & Boyd.....	4,237 00	
		Addition	658 08	
			$4,895 08	1,744 58
Capitol.....	Reconstruction of former court room 315.....	Fred V. Russell.....	5,572 00	3,574 50
Capitol.....	Electric, room 315.....	T. Frederick Jackson..	3,489 00	
		Addition	312 00	
			$3,801 00	1,229 75
Capitol.....	Heating, room 315.....	M. J. Hawkins.....	397 00	397 00
*Capitol.....	Converting room 238 into storeroom.....	A. Gander & Sons.....	493 00	
Capitol.....	Electric, rooms 414, 415 and 416.....	Edward Joy Co.....	1,746 00	
		Addition	142 00	
			$1,888 00	
Capitol.....	Partition, Room 135.....	Feeney & Sheehan Building Co.....	182 00	182 00
Capitol.....	Book shelving, rooms 337A and 337B.....	Watson Mfg. Co.....	1,776 00	1,776 00
Capitol.....	Filing cases, room 345...	Watson Mfg. Co.....	428 50	
		Deduct	6 00	
			422 50	422 50
*Capitol.....	Clock for reporter's room.	Western Union Tel. Co.	12 00	
Capitol.....	Electric fixtures, rooms 122 to 127 inclusive....	Alpha Electric Construction Co.....	545 00	545 00
Capitol.....	Electric, room 256.....	Alpha Electric Construction Co.....	127 00	127 00

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
Capitol	Electric, rooms 310-312 including 328A Senate Chamber	Alpha Electric Construction Co.	$1,483 00	
		Addition	105 50	
			$1,588 50	$1,588 50
Capitol	Storm windows, room 409.	Bame & Cardell	326 00	326 00
Capitol	Removing cases, room 308 and 309	Bame & Cardell	379 91	379 91
Capitol	Plate glass for Governor's desk	Wm. Dey Ermand Co.	47 50	47 50
Capitol	Plate glass for top of desk in Governor's office	Wm. Dey Ermand Co.	40 00	
		Addition	7 50	
			$47 50	47 50
Capitol	18 condulets, etc., Secretary of State	Finch & Hahn	55 00	55 00
Capitol	4 rugs, Executive Chamber	Thomas O. Jones	224 00	224 00
Capitol	1 chime clock, Executive Chamber	John Fuhrman	34 00	34 00
Capitol	Lamps and shades, Executive Chamber	Morton Havens, Jr. Inc.	242 50	242 50
Capitol	Floor lamp, Executive Chamber	Havens Electric Co., Inc.	15 00	15 00
Capitol	Heating, Attorney-General's office	M. J. Hawkins	997 00	
		Deduct	3 02	
			$993 98	993 98
Capitol	Desk, chairs, etc., Executive Chamber	Helmes Bros.	256 50	256 50
Capitol	Andirons, etc., Senate Finance Committee room.	Edwin A. Jackson & Bro.	93 60	93 60
Capitol	Construction and alteration, rooms 311-314	Peter Keeler Bldg. Co.	5,987 00	
		Addition	196 00	
			$6,183 00	
		Deduct	1,088 94	
			$5,094 06	5,094 06
Capitol	Construction and alteration, room 132	Peter Keeler Bldg. Co.	1,786 00	
		Addition	51 00	
			$1,837 00	1,837 00
Capitol	1 No. 101 radiant fire	Municipal Gas Co.	47 50	47 50
Capitol	2 directory boards, Industrial Commission	Geo. Spalt & Son, Inc.	130 00	130 00
Capitol	Double flat desk	Stetson-Fisk, Inc.	100 00	100 00
Capitol	Andirons, etc., legislative library	Van Heusen Charles Co.	225 00	225 00
Capitol	New floors in rooms 211, 213 and 214, Attorney-General	James H. White & Son.	970 00	970 00

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
Capitol	Rego Wilton carpet, room 310	Wm. M. Whitney & Co.	$305 09	$305 09
Capitol	Carpet, rooms 414, 415, 416	Wm. M. Whitney & Co.	924 95	924 95
*Capitol	Heating, 4th floor, Senate corridor	W. B. Armstrong Co.	1,880 00	1,581 00
*Capitol	Construction, alterations, room 414A	Bame & Cardell	268 00	
*Capitol	Construction, new metal partitions, rooms 430, 431	Bame & Cardell	1,545 00	
		Deduct	15 00	
			$1,530 00	
Capitol	Construction, enclosing partitions, Senate post-office	Bame & Cardell	262 00	262 00
*Capitol	Construction, storm windows and vestibules	Bame & Cardell	1,165 00	
*Capitol	Construction, partition, minority leader's room	Bame & Cardell	148 00	
*Capitol	Construction, partition, minority leader's room	Bame & Cardell	148 00	
*Capitol	Bookcase in private office, Department of Architecture	Bame & Cardell	295 00	
*Capitol	Repairs to corridors	Feeney & Sheehan Bldg. Co.	4,150 00	
		Addition	187 20	
			$4,337 20	3,576 12
*Capitol	Waterproofing and tiling roofs	James J. Gorman	4,200 00	
		Deduct	200 00	
			$4,000 00	2,103 75
*Capitol	1 No. 112 grade B desk, Governor's office	Helmes Bros.	115 00	
Capitol	1 carpet for room 346	John G. Myers Co.	249 50	249 50
Capitol	Overtime night work, rooms 133 and 134	Peter Keeler Bldg. Co.	43 10	43 10
*Capitol	Electric work, electric wiring, east wing	Finch & Hahn	5,874 00	
		Addition	133 00	
			$6,007 00	6,867 85
*Capitol	Electric, corridors, east wing	Finch & Hahn	999 50	680 00
Capitol	Service on night watch and fire alarm system	National Dist. Tel. Co.	582 00	582 00
*Capitol	Rearrangement of existing partitions in room 435, Tax Department	James H. White & Son.	3,000 00	
		Deduct	95 00	
			$2,905 00	2,190 45
*Capitol	Electric, elevators, east end	Otis Elevator Co.	62,430 00	

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
*Capitol	Changing 4th floor, Senate corridor, into rooms	James H. White & Son.	$12,785 00	$255 00
Capitol	Painting	Wm. H. Storrs	159 54	159 54

Assembly Chamber

Building	Work	Contractor	Contract	Certificates issued
*Capitol	New partition back of Speaker's lobby	Feeney & Sheehan Bldg. Co.	$193 00	
Capitol	2 steel desks, Clerk of Assembly	The General Fireproof Co.	387 00	$387 00
Capitol	14 gooseneck portables, Assembly chamber	Havens Electric Co., Inc.	49 00	49 00
*Capitol	Alterations, converting room 238	A. Gander & Sons	493 00	
Capitol	2 mahogany chairs, Assembly chamber	Helmes Bros.	94 00	94 00
Capitol	4 cast iron wheels, Assembly document room	Jas. McKinney & Son.	8 00	8 00
Capitol	Screen	Bame & Cardell	428 00	428 00

Education Building

Building	Work	Contractor	Contract	Certificates issued
Education building	Pipe fittings	Hoy & Co.	$174 26	$174 26
Education building	Repairs to sidewalks	Patrick Mulderry	110 50	110 50
*Education building	Mural decoration	Will H. Low	30,000 00	3,630 15

State Hall

Building	Work	Contractor	Contract	Certificates issued
State Hall	Heating	J. R. Sheehan Co.	$13,911 00	
		Addition	1,533 31	
			$15,444 31	
		Deduct	14 00	
			$15,430 31	$200 00
*State Hall	Electric	E. Joy Co.	19,753 00	
		Addition	3,403 02	
			$23,156 02	
		Deduct	4 71	
			$23,151 31	3,856 28
*State Hall	Development of grounds	M. L. Ryder Bldg. Co.	1,086 00	
State Hall	Electric elevators	Wheeler-McDowell Elevator Co.	5,900 00	885 00
*State Hall	Screens	Chamberlain Metal Weather Strips Co.	1,912 65	1,190 00

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Building	Work	Contractor	Contract	Certificates issued
*State Hall	Materials for Judge Hiscock's room	Art Metal Construction Co	$4 80	
		Addition	1 00	
			$5 80	
*State Hall	4 steel cases	F. D. Sargent	205 00	
State Hall	Additional metal equipment	Art Metal Construction Co	3,960 00	$3,960 00
State Hall	Filing cabinet for Judge McLaughlin	Art Metal Construction Co	99 25	99 25
State Hall	Filing case for Judge Andrews	Art Metal Construction Co	99 25	99 25
State Hall	Alterations to lockers	Art Metal Construction Co	143 73	143 73
State Hall	Chair and table	Helmes Bros	45 75	45 75
State Hall	5 mahogany chairs	Helmes Bros	137 50	137 50
State Hall	Rental of furniture	Helmes Bros	60 00	
		Addition	15 00	
			$75 00	75 00
State Hall	Chair	Helmes Bros	38 00	38 00
*State Hall	Storm sash, room 305	William H. Marsh	44 00	
State Hall	12 brass poles	John G. Myers Co	307 00	
		Addition	40 00	
			$347 00	347 00
State Hall	Typewriter table	Underwood Typewriter Co	40 00	
		Deduct	4 00	
			$36 00	36 00
State Hall	Furniture	John Wanamaker	6,507 50	
		Addition	125 00	
			$6,632 50	6,632 50
State Hall	Stenographer's chairs	W. M. Whitney & Co.	25 50	25 50
State Hall	6 brass signs	Annesley & Co	48 00	48 00
State Hall	Telephone operator's enclosure	Bame & Cardell	337 00	337 00
State Hall	Removing paint, etc., Court of Appeals	Finch & Hahn	48 45	48 45
State Hall	Additional electric work	Fleming & Shannon	150 00	150 00
State Hall	3 nameplates for portraits	Herts Bros. Co	16 80	16 80
State Hall	Bronse plate	Herts Bros. Co	6 75	6 75
State Hall	9 tray cabinet	Library Bureau	32 55	32 55

Capitol Power House

Building	Work	Contractor	Contract	Certificates issued
Power house	Fencing, grading and sodding	Franken Ornamental Iron Works	$4,487 00	$3,552 00
*Power house	Changes in construction of gate posts	Franken Ornamental Iron Works	148 00	

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Agricultural Hall

Building	Work	Contractor	Contract	Certificates issued
*Building	Electric	Kirtland Electric Construction Co.	$446 00	
*Building	Construction	A. Gander & Sons	1,943 50	
Building	Fire Escapes	E. H. Titchener & Co.	1,463 00	$1,463 00

REGULATIVE

State Institution for the Study of Malignant Disease, Buffalo

Building	Work	Contractor	Contract	Certificates issued
Gratwick building	Heating and ventilating	Republic Engineering & Construction Co.	$8,567 00	
		Addition	180 99	
			$8,747 99	
		Deduct	19 00	
			$8,728 99	$2,282 25

GENERAL

Letchworth Park

Building	Work	Contractor	Contract	Certificates issued
*	Electric plant	Salisbury Wheel & Mfg. Co.	$415 00	

Schuyler Mansion

Building	Work	Contractor	Contract	Certificates issued
Mansion	Erection of 50 ft. flag pole.	M. G. Stoneman & Son.	$226 20	$226 20
*Mansion	Latches and handles	William F. Winter	26 25	
*Mansion	Iron railing, etc.	N. C. Clausen Arch. Iron Co.	179 00	
Mansion	Bronze tablet	Bame & Cardell	14 00	
		Addition	6 00	
			$20 00	$20 00
Mansion	Driveway, catch basin, etc.	George Holler	485 00	485 00
Mansion	Iron on conductor heads.	James J. Gorman	65 00	65 00
Mansion	Construction, grounds and approaches	M. Kantrowits	4,532 00	
		Addition	4,094 00	
			$8,626 00	$8,626 00
Mansion	Test holes	R. P. Sewell & Sons	28 85	28 85
Mansion	Electric	Morton Havens, Jr. Inc.	28 67	28 67
Mansion	Bronze tablet	Gorham Mfg. Co.	140 00	
		Addition	85 00	
			$225 00	225 00

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Building	Work	Contractor	Contract	Certificates issued
Mansion	Sodding	George Holler	$425 00	
		Addition	320 00	
			$745 00	$745 00

Clinton House

Building	Work	Contract	Contract	Certificates issued
House	Ceiling	Adam Reid	$30 00	$30 00

Sir William Johnson Mansion

Building	Work	Contractor	Contract	Certificates issued
*Caretaker's cottage	Construction	Eli J. Miller	$3,090 47	
		Deduct	141 00	
			$2,949 47	
Caretaker's cottage	Plumbing and drainage	W. Lynes & Son	1,160 00	
		Deduct	30 85	
			$1,129 15	$495 90
Caretaker's cottage	Heating	W. Lynes & Son	325 00	
		Deduct	15 00	
			$310 00	310 00
Caretaker's cottage	Electric	Herman W. Jansen	172 53	172 53
Caretaker's cottage	Hardware	The Lockwood Co.	97 00	
		Addition	2 50	
			$99 50	99 50

Saratoga Reservation

Building	Work	Contractor	Contract	Certificates issued
*Drink Hall	Construction	Jas. P. Fitzgerald	$7,259 00	
		Addition	3,274 89	
			$10,533 89	
Lincoln bath house	Dressing rooms	Wm. J. Case & Son	698 00	$698 00

State Fair Grounds, Syracuse

Building	Work	Contractor	Contract	Certificates issued
Horse exhibition building	Structural steel	Syracuse Engineering Co.	$25,460 00	
		Addition	3,939 00	
			$29,399 00	$29,399 00

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
Horse exhibition building	Construction	Feeney & Sheehan Bldg. Co.	$74,800 00	
		Addition	3,721 41	
			$78,521 41	
		Deduct	3,221 00	
			$75,300 41	$65,018 81
Horse exhibition building	Horse stalls construction	A. E. Stephens Co.	62,600 00	
		Addition	569 74	
			$63,169 74	
		Deduct	770 00	
			$62,399 74	62,399 74
Horse exhibition building	Hardware	Albany Hardware & Iron Co.	1,291 55	
		Addition	38 34	
			$1,329 89	1,329 89
Horse exhibition building	Plumbing and drainage	E. Joy Co.	9,999 00	6,259 00
Horse exhibition building	Electric	Frank J. Flood	817 17	817 17
Horse exhibition building	Electric service connection	Frank J. Flood	27 74	27 74

Agricultural Experiment Station, Geneva

Building	Work	Contractor	Contract	Certificates issued
*Administration, library and demonstration building	Construction	P. G. Hauck	$64,260 00	
		Addition	558 93	
			$64,818 93	
		Deduct	553 81	
			$64,265 12	$45,125 73
*Administration, library and demonstration building	Heating	R. T. Ford Co.	9,745 00	
		Deduct	4 00	
			$9,741 00	6,579 00
*Administration, library and demonstration building	Plumbing and drainage	R. T. Ford Co.	5,372 00	
		Addition	215 00	
			$5,587 00	
		Deduct	90 00	
			$5,497 00	3,608 50

* An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
Administration, library and demonstration building..	Electric.....	Conduit-Miller Co.....	$3,354 00	
		Addition	86 90	$850 00
Administration, library and demonstration building..	Hardware.....		$3,440 90	
		Albany Hardware & Iron Co.....	675 00	
		Deduct	29 30	
			$645 70	
Administration, library and demonstration building..	Extension storm water sewer.....	Emig & Hatmaker.....	240 00	240 00

Dunkirk Fish Hatchery

Building	Work	Contractor	Contract	Certificates issued
*Hatchery.....	Electric.....	Thomas B. Donovan & Sons.....	$615 00	
*Hatchery.....	Sanitary.....	Hodgkins Fields Hdw. Co., Inc.....	5,182 96	$3,153 50
*Hatchery.....	Heating.....	Hodgkins Fields Hdw. Co., Inc.....	1,400 00	238 00
*Hatchery.....	Construction.....	J. A. Taylor.....	17,265 00	
		Addition	104 50	
			$17,369 50	
		Deduct	9 00	
			$17,360 50	6,664 00

Crown Point Reservation

Building	Work	Contractor	Contract	Certificates issued
*Water supply.....	Painting pump house....	W. P. Oldruff.....	$14 58	
		Deduct	2 25	
			$12 33	
*Maintenance.....	80 bags of cement.....	W. P. Oldruff.....	80 00	
*Maintenance.....	Painting comfort station..	W. P. Oldruff.....	100 00	
*Maintenance.....	20 loads of sand.....	J. F. Nadeau.....	120 00	

Department of Health

Building	Work	Contractor	Contract	Certificates issued
*Laboratory.....	Heating.....	The Merrill Co.....	$48,082 00	
*Laboratory.....	Construction.....	A. E. Stephens Co.....	111,000 00	
		Addition	696 19	
			$111,696 19	$6,545 00
*Laboratory.....	Sanitary.....	A. J. Eckert Co.....	55,500 00	
*Laboratory.....	Electric.....	Gagen & Butler, Inc...	10,484 00	

* An asterisk indicates that the contract was in force July 1, 1918.

SUMMARY

CONTRACTS IN FORCE JULY 1, 1918

STATE HOSPITALS

Binghamton	$54,623 69
Buffalo	.....
Brooklyn	916,450 54
Central Islip	220,126 20
Gowanda	.....
Hudson River	38,500 00
Kings Park	94,642 91
Manhattan	154,191 88
Middletown	26,414 00
Rochester	25,714 11
Willard	4,400 00
St. Lawrence	9,703 00
Total	$1,544,766 33

CHARITABLE INSTITUTIONS

Western House of Refuge, Albion	$24,897 00
State School for the Blind, Batavia	.....
Soldiers' and Sailors' Home, Bath	10,500 00
State Reformatory for Women, Bedford	7,992 00
Training School for Girls, Hudson	.....
Letchworth Village, Thiells	963,533 49
Eastern New York Reformatory, Napanoch	9,413 00
State Custodial Asylum, Newark	32,862 00
Women's Relief Corps Home, Oxford	4,842 00
State Custodial Asylum, Rome	3,663 00
Craig Colony for Epileptics, Sonyea	38,023 00
Institution for Feeble Minded Children, Syracuse	4,000 00
Hospital for Crippled and Deformed Children, West Haverstraw	56,926 19
Total	$1,156,651 68

PRISONS

Clinton Prison	$7,965 00
Wingdale	1,075,269 57
Total	$1,083,234 57

ARMORIES

Rochester	$93,155 86
Yonkers	5,093 00
Total	$98,248 86

NORMAL SCHOOLS

Buffalo	$1,172 00
New Paltz	119,685 00
Potsdam	374,730 67
Total	$495,587 67

EDUCATIONAL

Cattaraugus Indian Reservation	$2,700 00
Cornell University	15,079 00
Schoharie School of Agriculture	31,309 48
Delhi School of Agriculture	490 00
Farmingdale School of Agriculture	101,819 95
Syracuse College of Forestry	15,138 00
Onondaga Indian Reservation	.....
Malone Institute for Deaf Mutes	.....
St. Lawrence University	.....
Morrisville School of Agriculture	68,896 95
Total	$235,433 38

PUBLIC BUILDINGS

Capitol	$99,517 70
Assembly Chamber	193 00
Education Building	30,000 00

State Hall	$26,404 76
Agricultural Hall	2,389 50
Capitol Power House	148 00
Total	$158,652 96

GENERAL

Letchworth Park	$415 00
Schuyler Mansion	205 25
Sir William Johnson Mansion	2,949 47
Saratoga Reservation	10,533 89
Geneva Experiment Station	83,589 72
Dunkirk Fish Hatchery	24,558 46
Crown Point Reservation	312 33
Laboratory Bldg., Health Dept	225,762 19
Total	$348,326 31

SUMMARY

State Hospitals	$1,544,766 33
Charitable Institutions	1,156,651 68
Prisons	1,083,234 57
Armories	98,248 86
Normal Schools	495,587 67
Educational	235,433 38
Public Buildings	158,652 96
General	348,326 31
Grand total	$5,120,901 76

Statement of Contracts in Force, Contracts Completed and Certificates Issued on Contracts During the Fiscal Year July 1, 1918 to June 30, 1919, Inclusive.

HOSPITALS

Binghamton State Hospital, Binghamton, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Laundry building...	Construction.....	A. E. Badgeley.....	$15,937 00	
		Addition	393 20	
			$16,330 20	
		Deduct	348 00	
			$15,928 20	$2,700 10
Laundry building...	Heating.....	R. T. Ford Co.....	2,990 00	
		Addition	41 00	
			$3,031 00	
		Deduct	4 00	
			$3,027 00	871 30
Laundry building...	Hardware.....	Lockwood Co.....	224 00	224 00
Laundry building...	Equipment.....	American Laundry Machinery Co., Inc.	7,919 00	
		Deduct	35 00	
			$7,884 00	1,540 45
*.....	Coal trestle.....	Lehigh Structural Steel Co.....	24,284 00	
		Addition	222 80	
			$24,506 80	
*Boiler plant.....	Heating.....	Gaylord Engineering & Construction Co.....	17,893 00	
		Deduct	63 19	
			$17,829 81	
*Boiler plant.....	Construction.....	Benedict Beck.....	9,847 00	
		Addition	219 23	
			$10,066 23	
		Deduct	384 55	
			$9,681 68	1,698 28
*Chronic building...	Bumpers.....	Peter Keeler Bldg. Co..	60 00	

Brooklyn State Hospital, Brooklyn, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Chronic hospital... (East)	Construction.....	P. J. Brennan & Sons..	$234,800 00	
		Addition	257 21	
			$235,057 21	
		Deduct	4,742 65	
			$230,314 56	$144,512 75

* An asterisk indicates that the contract was in force July 1, 1919.

Building	Work	Contractor	Contract	Certificates issued
*Chronic hospital... (East)	Sanitary.....	Thomas E. O'Brien....	$30,500 00	
		Addition	42 83	
			$30,542 83	
		Deduct	92 40	
			$30,450 43	$16,905 89
*Chronic hospital... (East)	Heating.....	E. Rutsler Co.....	40,342 00	30,736 85
*Chronic hospital... (East)	Electric.....	Jandous Electric Equipment Co.....	12,790 00	
		Deduct	11 50	
			$12,778 50	9,052 50
*Chronic hospital... (East)	Hardware.....	Lockwood Company...	3,225 00	
		Addition	232 00	
			$3,457 00	
*Dining room..... (West)	Construction.....	Rangeley Construction Company.....	53,647 00	
		Addition	111 50	
			$53,758 50	
		Deduct	762 00	
			$52,996 50	37,626 53
*Dining room..... (West)	Heating.....	E. Rutsler Co.....	4,479 00	3,643 10
*Dining room..... (West)	Sanitary.....	Altman Plumbing Co..	3,685 00	
		Deduct	44 86	
			$3,640 14	2,018 75
*Dining room..... (West)	Electric.....	T. Frederick Jackson Inc.....	2,437 00	1,704 25
*Additional accommodations for patients.....	Hardware.....	Lockwood Company...	148 00	
Reception hospital..	Plumbing and drainage...	John J. Kenney Co....	17,232 00	
		Addition	280 00	
			$17,512 00	
		Deduct	150 00	
			$17,362 00	3,245 25
Reception hospital..	Heating.....	E. Joy Company.....	16,485 00	
		Deduct	213 80	
			$16,271 20	2,727 75
Reception hospital..	Electric.....	United Electric Construction Co.....	3,645 00	
			372 00	645 05
			$4,017 00	
*Reception hospital.	Laying linoleum.....	Standard Carpet Co...	837 25	680 00
Reception hospital..	3 dumbwaiters.....	A. J. Rosell.....	560 00	560 00
Reception hospital..	Fireproofing doors.....	Empire Fireproof Door Co.....	1,025 00	1,025 00

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Building	Work	Contractor	Contract	Certificates issued
Reception hospital..	Hardware.....	Lockwood Co.....	$2,469 00	
		Addition	21 50	
			$2,490 50	
		Deduct	6 16	
			$2,484 34	$2,484 34
Reception hospital..	Glass.....	Pittsburgh Plate Glass Co.....	488 00	488 00
Chronic building...	Heating.....	Johnston Heating Co..	34,931 00	
		Addition	160 00	
			$35,091 00	
		Deduct	63 79	5,709 86
			$35,027 21	
*Chronic building..	Plumbing and drainage...	Peter Keeler Bldg. Co..	19,422 00	
		Addition	1,315 00	
			$20,737 00	
		Deduct	2 00	
			$20,735 00	3,136 06
Chronic building....	Electric.....	United Electric Construction Co.....	7,490 00	
		Addition	525 00	
			$8,015 00	1,380 75
Chronic building....	Hardware.....	Lockwood Co.....	3,296 00	
		Addition	15 50	
			$3,311 50	
		Deduct	4 87	
			$3,306 63	3,306 63
*.....	Sewage system, Creedmore	Murphy Bros.....	22,483 00	10,058 05
Cold storage bldg...	Refrigerating equipment.	Karl Vesterdahl & Co..	16,340 00	
		Addition	55 50	
			$16,394 50	
		Deduct	25 00	
			$16,369 50	3,904 83
Cold storage building.....	Construction.....	Modern Construction Co.....	29,388 00	
		Addition	26 52	5,132 88
			$29,414 52	
		Deduct	250 00	
			$29,164 52	
*Chronic hospital..	Construction.....	W. F. Plass & Bro.....	172,900 00	
	(Thomas Starett Co., construction)	Addition	3,212 40	
	Assigned to Fidelity & Deposit Co., bondsman		$176,112 40	
		Deduct	2,785 00	
			$173,327 40	30,049 68

* An asterisk indicates that the contract was in force July 1, 1919.

Building	Work	Contractor	Contract	Certificates issued
*Dining room bldg..	Hardware.....	Lockwood Co.....	$475 00	
		Addition	85 00	
			$560 00	
*Laundry bldg.....	Construction.....	P. J. Brennan & Sons...	34,870 00	
		Addition	150 00	
			$35,020 00	
		Deduct	15 04	
			$35,004 96	$28,993 59
Laundry bldg.....	Heating.....	W. B. Armstrong Co...	6,658 00	6,658 00
Laundry bldg.....	Heating work, underground service connections.....	W. B. Armstrong Co...	9,230 00	9,230 00
*Laundry bldg.....	Sanitary.....	Thos. E. O'Brien, Inc..	1,598 00	1,285 37
*Laundry bldg.....	Sanitary work, underground service connections.....	W. B. Armstrong Co...	1,898 00	1,898 00
*Laundry bldg.....	Electric.....	John Jay Gallagher Co., Inc.....	1,585 00	1,241 00
*Laundry bldg.....	Laundry equipment.....	American Laundry Machinery Co.....	9,141 50	
		Deduct	56 00	
			$9,085 50	7,271 73
*Laundry bldg.....	Interior trim.....	H. W. Palen's Sons....	10,087 35	10,087 35
*Chronic hospital... (East and west)	Refrigerating equipment..	Karl Vesterdahl & Co..	3,470 00	2,082 50
*Chronic hospital...	Composition floors.....	The Linotol Flooring Co.	914 45	914 45
Cold storage bldg...	Additional refrigerating equipment.....	Karl Vesterdahl & Co..	29,855 00	29,855 00
*Power house.....	Heating.....	W. B. Armstrong Co...	19,948 00	
		Addition	221 00	
			$20,169 00	
		Deduct	10 00	
			$20,159 00	15,963 00
Chronic hospital and dining room.....	Electric elevators.....	Otis Elevator Co.....	19,650 00	14,469 67
Chronic hospital and dining room.....	Lathing and plastering...	George A. Amos.....	5,604 80	
		Deduct	250 00	
			$5,354 80	1,014 80

Central Islip State Hospital, Central Islip, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Central heating and lighting plant....	Sanitary.....	Christopher Nally.....	$3,297 00	$1,127 95
*Central heating and lighting plant....	Heating.....	W. B. Armstrong Co...	26,588 00	1,445 00
*Central heating and lighting plant....	New boilers.....	Babcock & Wilcox Co..	66,933 00	
		Addition	1,867 00	
			$68,800 00	57,202 45

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Building	Work	Contractor	Contract	Certificates issued
*Acute patients' quarters	Construction	Wm. L. Crow Construction Co.	$289,900 00	
*Acute patients' quarters	Sanitary	Jarcho Bros. Inc.	24,000 00	
*Acute patients' quarters	Heating	W. B. Armstrong Co.	22,842 00	
*Acute patients' quarters	Electric	G. E. Engineering Co.	6,586 00	
Laundry building	Hardware	Lockwood Co.	134 00	$134 00
*Power house	Construction work	Benjamin T. Raynor	89,660 00	
		Addition	667 20	
			$90,327 20	
		Deduct	632 50	
			$89,694 70	31,233 25
Extension to laundry	Construction	John D. Cosgrove	23,734 00	
		Addition	110 00	
			$23,844 00	
		Deduct	201 15	
			$23,642 85	4,339 37
*Extension to laundry	Laundry equipment	American Laundry Machinery Co.	9,188 00	
		Deduct	18 00	
			$9,170 00	6,766 00

Gowanda State Hospital, Gowanda, N. Y.

Building	Work	Contractor	Contract	Certificates issued
	Wells	Artesian Well & Supply Co.	$62 00	$62 00

Hudson River State Hospital, Poughkeepsie, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Water supply	Sanitary	The Baker-Dunbar-Allen Co.	$52,000 00	

Kings Park State Hospital, Kings Park, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Employees home	Construction	McKeown Construction Co.	$71,379 00	
		Addition	25 00	
			$71,404 00	
		Deduct	1,275 00	
			$70,129 00	$21,587 20

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Building	Work	Contractor	Contract	Certificates issued
Employees' home...	Heating.....	W. B. Armstrong Co...	$6,767 00	
		Deduct	4 00	
			$6,763 00	$3,363 00
	Refrigerating machine.....	H. W. Johns-Mansville Co.....	3,695 00	3,695 00
Employees' home...	Heating, underground heating mains.....	W. B. Armstrong Co..	12,988 00	12,988 00
Employees' home...	Plumbing and drainage...	Thos. E. O'Brien, Inc..	10,093 00	
		Addition	174 51	
			$10,267 51	6,754 46
*Employees' home..	Electric.....	Commercial Construction Co.....	2,662 00	1,642 00
Employees' home...	Hardware.....	Lockwood Co.....	1,115 00	
		Addition	7 40	
			$1,122 40	1,122 40
Employees' home...	Sanitary work, underground sewer and water connections.....	W. B. Armstrong Co...	1,988 00	1,988 00
Sewage disposal plant.....	Extension, sewage disposal plant.....	N. Y. Sewage Disposal Co.....	15,037 00	15,037 00

Manhattan State Hospital, Ward's Island, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Dining room accommodations....	Construction.....	White-Johnson Co., Inc.	$79,800 00	
*Dining room accommodations....	Heating.....	G. E. Engineering Co..	3,740 00	
*Dining room accommodations....	Sanitary.....	G. E. Engineering Co.	2,395 00	
*Dining room accommodations....	Electric.....	Charles H. Darmstadt, Inc.....	2,079 00	
*Water line.....	Water main.....	F. N. Lewis Co., Inc...	2,800 00	
		Addition	328 00	
			$3,128 00	
*Power plant.....	.....	W. B. Armstrong Co...	41,200 00	
		Addition	312 11	
			$41,512 11	
		Deduct	160 00	
			$41,352 11	
	*Coal and ash handling apparatus.....	Gifford-Wood Co.....	45,950 00	
		Addition	760 00	
			$46,710 00	
*Power plant.....	Heating.....	Walker & Chambers...	89,720 00	
		Addition	200 00	
			$89,920 00	
		Deduct	917 33	
			$89,002 67	$13,483 17

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Building	Work	Contractor	Contract	Certificates issued
Laundry	Machinery	J. Livingston & Co., Inc	$11,950 00	
Power house	Repairing fire alarm	Gamewell Co	76 05	
Electric system	Electric	Isidor Fajans, Inc	12,345 00	
		Deduct	72 00	
			$12,273 00	$5,910 32
Catholic church	Painting	Geo. S. Hall Co	250 00	250 00

Middletown State Hospital, Middletown, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Tuberculosis hosp.	Construction	Giles, Giles & Co	$21,331 00	
		Addition	555 00	
			$21,886 00	
		Deduct	1,255 00	
			$20,631 00	$8,095 78
Tuberculosis hosp.	Plumbing and drainage	George E. Gibson Co.	1,648 00	1,648 00
Tuberculosis hosp.	Heating	George E. Gibson Co.	2,790 00	
		Deduct	20 18	
			$2,769 82	2,769 82
Tuberculosis hosp.	Electric	Devoe Electrical Co.	895 00	895 00
Tuberculosis hosp.	Hardware	P. & F. Corbin Division	450 00	450 00
Tuberculosis hosp.	Hardware and sash	Giles Construction Co., Inc	623 50	623 50

Rochester State Hospital, Rochester, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Livingston bldg.	Construction	W. F. Martens Co	$21,100 00	
		Addition	362 47	
			$21,462 47	
		Deduct	275 00	
			$21,187 47	$3,725 07
Livingston bldg	Heating	R. T. Ford Co	3,778 64	
		Deduct	23 20	
			$3,755 44	1,630 44
Livingston bldg	Electric	O'Connell Electric Co.	748 00	255 00

St. Lawrence State Hospital, Ogdensburg, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Power plant	Construction	Wm. Summerhays & Sons	$9,778 00	
		Addition	85 00	
			$9,863 00	
		Deduct	160 00	
			$9,703 00	$8,640 50

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Utica State Hospital, Utica, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Central heating plant	Construction and plumbing	R. G. Lloyd Co.	$27,832 00	
*Central heating plant	Heating	W. B. Armstrong Co.	39,640 00	$2,210 00
*Central heating plant	Heating, new boilers	McNaull Boiler Manufacturing Co.	58,120 00	
*Mortuary and laboratory	Construction	Joseph A. Laporte	23,900 00	4,391 95
*Mortuary and laboratory	Heating	Mohawk Valley Heating Co.	2,517 00	
*Mortuary and laboratory	Plumbing and drainage	Wicks, Hughes & Co.	2,210 00	
		Deduct	30 00	
			$2,180 00	
*Mortuary and laboratory	Electric	Langdon & Hughes Electric Co.	853 00	

Willard State Hospital, Willard, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Sunnycroft bldg.	Construction work	Gerstner & Statt	$4,400 00	$1,956 25
*Pines building	Construction tile floors	Eugene G. Sachett Co.	1,750 00	
*Chlorinating plant	Sanitary	Wallace & Tiernan Co., Inc.	1,345 00	

CHARITABLE INSTITUTIONS

Western House of Refuge for Women, Albion, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*New cottages with equipment	Construction	Leo J. Held	$29,119 00	
*	Electric work	Edward Joy Co.	1,373 00	
*	Plumbing and drainage	James J. Bresnahan	5,985 00	
*	Heating work	Arensmeyer, Warnock, Zahrndt, Inc.	4,121 00	
Boiler house	Construction work of addition to boiler house	Henry C. Belson	$1,000 00	$1,000 00
*	Two new boilers	Wm. F. Devendorf & Co.	11,950 00	5,525 00
*	Connections	M. J. Hawkins	11,947 00	1,939 70
Four cottages	Electric work	Walden, Clark & Chaplin, Inc.	1,700 00	1,700 00

New York State Soldiers and Sailors' Home, Bath, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Barracks H and I	Construction	T. H. McHale & Son	$71,500 00	$5,270 00
*	Electric work	H. E. Rising	2,208 50	

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Building	Work	Contractor	Contract	Certificates issued
*	Sanitary work	Jac. Abrams & Bro., Inc.	$5,431 50	
*	Heating work	Austin Heating Corporation	7,575 00	
*Sewage building	Sanitary work	Hogg-Lynn Co., Inc.	1,092 00	
		Addition	193 00	
			$1,285 00	$882 15
Boiler house	Pipe covering	Hogg-Lynn Co., Inc.	1,362 00	1,362 00
*	Repairs to heating construction	Hogg-Lynn Co, Inc.	12,779 11	
		Deduct	98 00	
			$12,681 11	10,416 29
*	Heating work	Murtagh & Reddington.	10,500 00	2,603 50

State Reformatory for Women, Bedford, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Laundry	Laundry equipment	American Laundry Machinery Co.	$7,642 00	
		Addition	350 00	
			$7,992 00	
		Deduct	20 00	
			$7,972 00	$3,722 00
*Cold storage building	Remodeling laundry for refrigeration purposes	Karl Vesterdahl Co.	9,940 00	
		Deduct	30 00	
			$9,910 00	5,435 75
*Two cottages, farm group	Screens and guards	C. L. Dooley, Inc.	913 00	

New York State Reformatory, Elmira, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Trade school	Fireproof metal covered door	United Metal Covered Door & Sash Co.	$665 00	

State Training School for Girls, Hudson, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Cottages 5, 7 and 10	Additional lights	Mack & Mack	$989 00	$403 75
	Additional lights	Hudson Electric Engineering Co.	956 00	956 00

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Thomas Indian School, Iroquois, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Cold storage building	Refrigeration equipment	Mollenberg-Betz Machine Co.	$7,325 00	

Letchworth Village, Thiells, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Bridge across creek, boys' group	Construction	Peter Keeler Building Co.	$13,797 00	
		Addition	150 56	
			$13,947 56	$13,267 56
*Eight cottages	Finishing hardware	Albany Hardware & Iron Co.	6,800 00	
		Addition	9 91	
			$6,809 91	
*Cottages E, F, G and H	Construction	Kelly & Kelly, Inc.	$112,500 00	
		Addition	9,710 86	
			$122,210 86	
		Deduct	2,000 00	
			$120,210 86	43,494 50
	*Plumbing and drainage work	The R. T. Ford Co.	17,366 00	
		Addition	342 80	
			$17,708 80	
		Deduct	107 44	
			$17,601 36	13,626 78
	Finishing hardware	The Lockwood Co.	948 00	
		Addition	75 00	
			$1,023 00	1,023 00
	*Electric work	Mack & Mack	2,498 00	1,916 75
	*Electric service connection	W. H. Straut Co.	3,730 00	1,168 75
	Underground sewer and water connection	The R. T. Ford Co.	8,745 00	1,662 55
	*Heating work	Adams, Britz Co.	25,841 00	15,266 85
	Arch. services	W. Nygren	7,500 00	5,500 00
*Laundry building and equipment	Construction	The Harriman Industrial Corporation	22,315 00	
		Addition	702 00	
			$23,017 00	
		Deduct	122 50	
			$22,894 50	
	*Plumbing and drainage	Peter Keeler Building Co.	2,415 00	
		Addition	107 50	
			$2,522 50	561 13

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Building	Work	Contractor	Contract	Certificates issued
	Wiring, etc., for fan motor.	W. H. Straut Co.....	$45 00	
		Addition	30 00	
			$75 00	$275 00
	*Heating work.....	J. J. Horan & Co.....	4,482 00	
		Addition	122 00	
			$4,604 00	
	*Laundry building equipment.....	Troy Laundry Machinery Co.....	3,278 00	1,269 05
Attendants' home & service building...	Construction work—service building.....	H. H. Vought & Co....	36,973 00	
		Deduct	241 05	
			$36,731 95	1,935 10
	Labor and material.....	Irving Hill.....	63 30	63 30
	Plumbing, drainage and refrigeration.....	John J. Kenney Co....	7,433 00	
		Addition	40 00	
			$7,473 00	
		Deduct	63 53	
			$7,409 47	1,429 65
	*Finishing hardware.....	Albany Hardware & Iron Co.....	1,575 00	
		Deduct	90 16	
			$1,484 84	
	*Electric work.....	W. H. Straut Co.....	2,000 00	255 00
	*Electric work.....	W. H. Straut Co.....	2,400 00	297 50
	*Heating work.....	Miller & Brady.....	8,668 00	4,505 00
	*Heating work.....	Miller & Brady.....	4,477 00	
	*Heating work.....	John C. Williams, Inc..	2,797 00	1,000 45
Attendants' home and service bldg..	Plumbing and drainage...	Wells & Newton Co....	11,700 00	4,977 60
	*Construction.....	Peter Keeler Building Co.....	68,850 00	20,196 00
	*Plumbing and drainage...	A. J. Eckert Co.....	16,990 00	
	*Construction.....	Peter Keeler Building Co.....	81,822 00	
		Addition	747 03	
			$82,569 03	39,229 22
		Deduct	1,366 50	
			$81,202 53	
*Storehouse bakery.	Refrigerating plant and cold storage building construction.....	George T. Kelly.....	48,888 00	
		Addition	140 00	
			$49,028 00	11,716 75
		Deduct	326 20	
			$48,701 80	

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Building	Work	Contractor	Contract	Certificates issued
*Storehouse bakery.	Finishing hardware.....	The Lockwood Co.....	$187 00	
			8 00	
			$195 00	$195 00
	Plumbing and drainage...	John J. Kenney Co....	4,914 00	2,321 50
	*Electric work.....	Mack & Mack.....	1,865 00	1,419 50
	*Refrigeration equipment..	The Carbondale Mach. Co.....	27,000 00	10,626 50
*Assembly hall industrial building, eight cottages, central heating plant and equipment.....	Construction.....	Peter Keeler Building Co.....	346,222 00	190,746 99
		Addition	6,116 22	
			$352,338 22	
		Deduct	8,861 30	
			$343,476 92	
	Expert service.....	Werner Nygren.....	Percentage 6 per cent.	412 74
*Eight cottages....	Electric work.....	G. E. Engineering Co., Inc., Assigned to W. H. Straut Co.....	$6,888 00	2,335 80
	*Plumbing and drainage...	Wells & Newton Co....	37,952 00	
		Addition	205 00	
			$38,157 00	
		Deduct	75 00	
			$38,082 00	10,200 00
	*Heating work.....	John C. Williams, Inc..	76,767 00	
		Addition	50 00	
			$76,817 00	37,323 50
	*Sanitary work.....	Christopher Nally.....	35,700 00	
		Addition	2,961 50	
			$38,661 50	17,085 00
*Central heating plant and equipment.....	Underground piping for female group.....	John C. Williams, Inc..	52,674 00	
			50 50	
			$52,624 00	28,245 50
	*Underground distributing piping.....	Almirall & Co., Inc....	29,242 00	
	*Equipment.....	The Merrill Co.....	46,984 00	
	*Chimney.....	Peter Keeler Building Co.....	18,750 00	850 00
	*Boiler and stoker equipment.....	Heine Safety Boiler Co.	67,500 00	
	*Construction of addition..	George B. Wright Co..	32,200 00	2,932 50
	*Electric work.....	W. H. Straut Co.....	850 00	
	*Plumbing and drainage...	G. E. Engineering Co., Inc.....	3,789 00	

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Building	Work	Contractor	Contract	Certificates issued
Service building, girls group	Underground electric service connections	Mack & Mack	$8,467 10	$5,084 70

State Reformatory, Napanoch, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Hospital building	Structural steel and iron and stair work	Montour Steel Co.	$9,461 00	
		Deduct	48 00	
			$9,413 00	

State School for Mental Defectives, Newark, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Hospital	Replacing defective plaster work	O. E. Schuman	$4,500 00	
		Addition	1,041 00	
			$5,541 08	$5,541 08
Boiler house	Two new boilers	W. B. Armstrong Co.	14,378 00	2,818 00
	Heating work, stoker, etc.	Wm. F. Devendorf & Co.	13,898 00	
		Addition	126 00	
			$14,024 00	
		Deduct	40 00	
			$13,984 00	3,329 25
*Cottage for inmates	Construction	T. H. McHale & Son	41,375 00	5,078 75
	*Sanitary work	Jamieson-McKinney Co., Inc.	3,995 00	
	*Heating work	Jamieson-McKinney Co., Inc.	3,900 00	
	*Electric work	Edward Joy Co.	1,529 00	
*Heating plant	Additions and alterations	Wm. F. Devendorf & Co.	31,500 00	21,042 50

Woman's Relief Corps Home, Oxford, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Manure pit and slaughter house	Construction	Fred F. Tracy & Son	$800 00	
		Deduct	8 50	
			$791 50	$791 50
Garbage and hose cart house	Construction	Fred F. Tracy & Son	747 50	
		Deduct	20 75	
			$726 75	726 75
Piggery	Construction	Fred F. Tracy & Son	2,467 00	2,467 00

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Building	Work	Contractor	Contract	Certificates issued
*Sewage and disposal plant	Construction	Nash & Griffin	$4,565 00	
		Addition	282 40	
			$4,847 40	$579 70
*Ice house and refrigeration plant	Construction	Shipley Construction & Supply Co.	3,870 00	3,226 60

Rome State Custodial Asylum, Rome, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Dormitory building	Electric work	Langdon & Hughes Electric Co., Inc.	$3,663 00	$1,516 75

Craig Colony for Epileptics, Sonyea, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Pump house	Additions and alterations	Clarence A. Foote	$20,683 00	
		Addition	1,868 00	
			$22,551 00	
		Deduct	5 00	
			$22,546 00	$5,988 42
	Heating work	C. A. Foote	1,962 00	733 75
*Dining room and kitchen building	Construction	A. E. Stephens Co.	49,330 00	
		Addition	21 00	
			$49,351 00	
				10,189 80
	*Heating work	Edward Towe	7,200 00	
	*Plumbing and drainage	Howe & Bassett Co., Inc.	13,590 00	
			175 00	
			$13,765 00	
	*Electric work	A. J. Beuerlein	1,448 00	
*Refrigeration plant	Equipment	Karl Vesterdahl & Co.	13,510 00	1,413 25

State Institution for Feeble-Minded Children, Syracuse, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Boiler house	Reconstruction of heating system	R. Gildea	$4,000 00	$4,000 00

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State Hospital for Crippled and Deformed Children, West Haverstraw, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Laundry	Heating work	John C. Williams, Inc.	$1,567 00	$786 25
	*Equipment	Troy Laundry Machinery Co., Ltd	3,755 00	2,975 00
Main hospital building	Construction	William H. Egan, assigned to New Amsterdam Casualty Co. of New York	41,923 00	
		Addition	400 00	
			$42,323 00	
		Deduct	794 45	
			$41,528 55	11,160 60
	Plumbing and drainage	Joseph F. Egan, Royal Indemnity Co., bondsman	$5,465 00	
		Addition	405 17	
			$5,870 17	
		Deduct	35 40	
			$5,834 77	3,607 64
	Plumbing and drainage	Joseph F. Egan, completed by Royal Indemnity Co., bondsman	2,799 00	462 35
	Heating work	Conkling, Kerber & Hanlon	4,625 00	
		Addition	146 45	
			$4,771 45	1,144 50
	Finishing hardware	The Lockwood Co.	$909 00	
		Addition	8 85	
			$917 85	917 85
	Electric work	W. H. Straut & Co.	794 00	598 50
*New hospital building	Elevator	Graves Elevator Co.	6,376 00	4,887 50
Water supply	Artesian wells	Ralph B. Carter Co.	1,715 00	
		Addition	95 00	
			$1,810 00	1,810 00

PRISONS

Sing Sing Prison, Ossining, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Mess hall and kitchen building No. 4, detention building No. 5, outside cell building No. 7, clinic building No. 8, pump house and reservoir	Construction	P. J. Carlin Construction Co.	$956,780 00	

*An asterisk indicates that the contract was in force July 1, 1919.

Building	Work	Contractor	Contract	Certificates issued
Mess hall, etc.....	*Sanitary work.....	Kenny Moran Co., Inc.	103,341 76	
	*Electric work.....	Van Wagoner-Linn Construction Co.....	16,365 00	
	*Heating work.....	A. B. Barr & Co., Inc..	59,900 00	
	*New boiler.....	John W. Danforth Co..	41,847 00	

Wingdale Prison, Wingdale, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Cell house, interlocking building, mess hall, central heating and lighting plant.....	Construction.....	Feeney & Sheehan Bldg. Co.....	$706,000 00	
		Addition	8,013 46	
			$714,013 46	
		Deduct	115 30	
			$713,898 16	$173,990 36
	*Sanitary work.....	John J. Kenney Co....	111,500 00	
		Addition	799 88	
			$112,299 88	
		Deduct	25 00	
			$112,274 88	39,646 55
	*Heating work.....	Edward Joy Co.....	$155,000 00	
		Addition	100 00	
			$155,100 00	$31,281 70
	*Electric work.....	Wheeler-Green Electric Co.....	23,774 00	
		Addition	989 65	
			$24,763 65	958 80
	Grading.....	Fallkill Construction Co., Inc.....	40,000 00	
		Deduct	7,052 45	
			$32,947 55	15,794 05
*Sewage disposal plant.....	Sewer lines, etc.....	New York Sewage Disposal Co.....	37,659 00	
		Addition	1,316 00	
			$38,975 00	
		Deduct	377 31	
			$38,597 69	14,460 00

*An asterisk indicates that the contract was in force July 1, 1918.

ARMORIES

Rochester State Armory, Rochester, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Armory	Construction	R. T. Ford Co.	$86,330 00	
		Addition	245 86	
			$86,575 86	
		Deduct	955 40	
			$85,620 46	$16,621 66
	Heating work	Wm. F. Devendorf	4,993 00	1,497 80
	Electric work	Wheeler-Green Electric Co.	2,387 00	923 30
*Armory and stable.	Construction	W. F. Martens	7,400 00	
		Deduct	25 00	
			$7,375 00	5,785 10

Olean State Armory, Olean, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Armory	Removal of material and debris and construction.	D. W. Dean	$96,361 00	
		Addition	521 90	
			$96,882 90	$50,613 25
	Plumbing and drainage	Hickey Bros.	10,930 00	
		Addition	30 00	
			$10,960 00	5,335 41
	Electric work	O'Connell Electric Co.	3,867 00	
		Deduct	6 72	
			$3,860 28	
	*Heating work	W. H. Simpson, Inc.	7,095 00	
		Addition	750 00	
			$7,845 00	2,637 51

Troy Armory, Troy, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Armory	Test borings	C. P. Boland & Co.	$471 50	$471 50

Yonkers Armory, Yonkers, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Armory	Heating work	A. B. Barr & Co., Inc.	$5,100 00	
		Addition	10 00	
			$5,110 00	
		Deduct	17 00	
			$5,093 00	

* An asterisk indicates that the contract was in force July 1, 1919.

NORMAL SCHOOLS

Buffalo Normal School, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates issued
School	New filter	Roberts Filter Manufacturing Co.	$1,172 00	$1,172 00

Geneseo Normal School, Geneseo, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Practice school	Electric work	A. J. Beuerlein	$3,470 00	$2,295 00

New Paltz Normal School, New Paltz, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Addition to school	Construction	Feeney & Sheehan Bldg. Co.	$89,991 00	
		Addition	620 05	
			$90,611 05	
		Deduct	1,271 10	
			$89,339 95	$70,759 77
	*Electric work	Jandous Electric Equipment Co.	4,590 00	
		Deduct	30 00	
			$4,560 00	1,253 75
	*Heating work	H. C. Petersen Co., Inc.	17,560 00	12,641 90
	*Sanitary work	John J. Kenny Co.	7,650 00	
		Addition	1,650 91	
			$9,300 91	7,727 27
	*Hardware	Sargent & Co.	535 38	

Potsdam Normal School, Potsdam, N. Y.

Building	Work	Contractor	Contract	Certificates issued
New building	Construction	Bradley & Weed, Inc.	$237,400 00	
		Addition	5,563 25	
			$242,963 25	
		Deduct	16,887 00	
			$226,076 25	$73,944 33
	Extension and alterations	Bradley & Weed, Inc.	86,990 00	
		Addition	246 42	
			$87,236 42	31,345 30
	*Construction, extension and alterations	Bradley & Weed, Inc.	Percentage	2,049 11
	*Plumbing and drainage	John J. Kenney Co.	13,442 00	
		Addition	5,780 98	
			$19,222 98	
		Deduct	168 30	
			$19,054 68	8,834 76

*An asterisk indicates that the contract was in force July 1, 1918.

Building	Work	Contractor	Contract	Certificates issued
Boiler house.....	Moving three boilers.....	Levy & Gilliland Co...	$1,495 00	$1,495 00
*New building.....	Blackboards, etc.....	Natural Slate Blackboard Co.....	3,575 00	
	Electric work.....	Jandous Electric Equipment Co., Inc.....	1,650 00	1,062 50
	Telephone, clock, fire alarm system, etc.....	Jandous Electric Equipment Co., Inc.....	3,637 00	
	Heating work.....	R. Gildea.....	5,500 00	2,167 50
	*Wardrobes, bookcases, etc.	H. M. Weed.....	7,768 00	
	*Furnishing hardware.....	The Lockwood Co.....	1,531 00	
		Deduct	45	
			$1,530 55	
*Reconstruction building.....	Electric work.....	Jandous Electric Equipment Co.....	6,775 00	
		Addition	185 00	
			$6,960 00	
		Deduct	25 00	
			$6,935 00	1,147 50
	*Heating work.....	R. Gildea.....	30,000 00	
		Addition	3,900 00	
			$33,900 00	9,235 25
*Cook annex.....	Construction of corridor..	H. M. Weed.....	1,500 00	

MISCELLANEOUS INSTITUTIONS

Agricultural Hall, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Agricultural hall....	Construction, fourth floor.	A. Gander & Sons.....	$1,943 50	
		Addition	361 00	
			$2,304 50	$2,304 50
Agricultural hall....	Construction, third floor..	A Gander & Sons.....	811 00	811 00
*Agricultural hall...	Construction, third floor..	Bame & Cardell.....	868 00	
		Addition	66 44	
			$934 44	
*Agricultural hall...	Plumbing.....	A. J. Eckert Co.....	1,125 00	
		Addition	64 50	
			$1,189 50	884 00
*Agricultural hall...	Electrical.....	Finch & Hahn.....	565 00	
Agricultural hall....	Electrical.....	Kirtland Electric Construction Co., Inc...	446 00	446 00
*Agricultural hall...	Construction.....	Bame & Cardell.....	738 00	

State Capitol, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Capitol	Repairs to corridors.....	Feeney & Sheehan Bldg. Co.....	$4,150 00	
		Addition	187 20	
			$4,337 20	$761 08

*An asterisk indicates that the contract was in force July 1, 1919.

Building	Work	Contractor	Contract	Certificates issued
*Capitol	Rearranging room 238, Excise Department	Feeney & Sheehan Bldg. Co.	$498 00	
*Capitol	Waterproofing roofs	James J. Gorman	4,200 00	
		Deduct	200 00	
			4,000 00	
Capitol	Altering men's toilet, fifth floor	Bame & Cardell	$816 00	$816 00
Capitol	Storm windows and vestibules	Bame & Cardell	1,165 00	1,165 00
Capitol	Metal partitions, rooms 430-431	Bame & Cardell	1,545 00	
		Deduct	15 00	
			$1,530 00	1,530 00
Capitol	Partition, room 340	Bame & Cardell	148 00	
		Deduct	1 00	
			$147 00	147 00
Capitol	Partition, room 336	Bame & Cardell	148 00	
			1 00	
			$147 00	147 00
Capitol	Bookcase, Department of Architecture	Bame & Cardell	295 00	295 00
Capitol	Alterations, room 414-A	Bame & Cardell	268 00	268 00
Capitol	Rooms in Senate corridor	James H. White & Son.	12,785 00	12,530 00
Capitol	Rearranging partitions, room 435	James H. White & Son.	3,000 00	
		Deduct	95 00	
			$2,905 00	714 45
*Capitol	Clock style 18 oak, reporters' room	The Western Union Telegraph Co.	12 00	
Capitol	Repairs cement in Court of Capitol	G. W. Davenport Co.	472 00	472 00
*Capitol	Carpets, Executive Chamber	W. M. Whitney & Co.	2,531 80	
Capitol	Carpets to replace runners, Executive Chamber	W. M. Whitney & Co.	353 83	353 83
*Capitol	Electric — east wing	Finch & Hahn	5,874 00	
		Addition	133 00	
			$6,007 00	1,139 15
*Capitol	Electric—corridors, east wing	Finch & Hahn	999 50	319 50
Capitol	Heating—4th floor, Senate corridor, east wing	W. B. Armstrong Co.	1,880 00	299 00
*Capitol	Electric elevators—east end	Otis Elevator Co.	62,430 00	
		Deduct	25 00	
			$62,405 00	52,467 66
Capitol	Electric fixtures, room 609.	Morton Havens, Jr., Inc.	207 00	207 00
Capitol	Plumbing, men's toilet, 5th floor	A. J. Eckert Co.	1,210 00	1,210 00

* An asterisk indicates that the contract was in force July 1, 1919

Building	Work	Contractor	Contract	Certificates issued
Capitol	Service on night watch and fire alarm	National District Telegraph Co.	$582 00	$582 00
*Capitol	Converting room 238 into storeroom, Excise Department	Feeney & Sheehan Bldg. Co.	498 00	
*Capitol	Repairs to corridors	Feeney & Sheehan Bldg. Co.	4,150 00	
		Addition	187 20	
			$4,337 20	
*Capitol	New partition back of Speaker's Lobby, Assembly Chamber	Feeney & Sheehan Bldg. Co.	193 00	

Capitol Power House, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Power house	Changes in gate posts	The Franken Ornamental Iron Works	$148 00	$148 00

Indian School, Cattaraugus Reservation

Building	Work	Contractor	Contract	Certificates issued
*School building	Warm air ducts	Bartow, Mentley & Co.	$90 00	
School building	Construction work	Kennedy & Scullen Construction Co.	2,700 00	
		Deduct	141 95	
			$2,558 05	$1,482 80

Schoharie State School of Agriculture, Cobleskill, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Home economics building	Construction	S. A. Scullen Co.	$34,973 00	
*Home economics building	Heating	Andrew J. Finn	2,737 37	
*Home economics building	Plumbing and drainage	G. E. Engineering Co.	1,960 00	
*Home economics building	Electric	Chas. H. Darmstadt, Inc.	1,339 00	
Dairy building	Construction	Bame & Cardell	25,342 00	
		Addition	1,040 48	
			$26,382 48	
		Deduct	350 00	
			$26,032 48	$5,513 30
Dairy building	Plumbing and drainage	R. T. Ford Co.	3,472 00	
		Addition	40 00	
			$3,512 00	
		Deduct	87 00	
			$3,425 00	625 80
Dairy building	Electric	Finch & Hahn	1,845 00	1,390 25

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Cornell University, Ithaca, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Plant, industry buildings	Architectural services	Green & Wicks	$7,500 00	
Cattle barn	Heating	Forest City Plumbing Co.	580 00	$206 00
Cattle barn	Plumbing and drainage	Forest City Plumbing Co.	2,462 00	
		Addition	132 50	
			$2,594 50	
		Deduct	10 00	
			$2,584 50	1,109 75
Piggery	Construction	G. M. Van Alstyne	6,999 00	1,468 05

Crown Point Reservation, Crown Point, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Pump house	Painting	W. P. Oldruff	$14 58	
		Deduct	2 25	
			$12 33	$12 33
Comfort station	Painting	W. P. Oldruff	100 00	100 00
	Sand and gravel	J. F. Nadeau	120 00	120 00
	Portland cement	W. P. Oldruff	80 00	80 00
Forts, Crown Point and St. Frederick	Repairs	W. P. Oldruff	327 75	327 75
Forts, Crown Point and St. Frederick	Repairs	W. P. Oldruff	410 70	410 70
Forts, Crown Point and St. Frederick	Repairs	W. P. Oldruff	405 00	405 00
Forts, Crown Point and St. Frederick	Repairs	J. F. Nadeau	13 00	13 00
Forts, Crown Point and St. Frederick	Repairs	J. F. Nadeau	127 00	127 00

School of Agriculture, Delhi, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Dairy barn	Construction	R. H. Hume	$490 00	$490 00

Dunkirk Fish Hatchery, Dunkirk, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Fish hatchery	Construction	J. A. Taylor	$17,265 00	
		Addition	104 50	
			$17,369 50	
		Deduct	9 00	
			$17,360 50	$5,136 45

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Building	Work	Contractor	Contract	Certificates issued
*Fish hatchery.....	Heating.....	Hodgkins, Fields Hardware Co.....	$1,400 00	
		Deduct	40 61	
			$1,359 39	$765 00
*Fish hatchery.....	Sanitary.....	Hodgkins, Fields, Hardware Co.....	5,182 96	905 25
Fish Hatchery.....	Electric.....	Thos. B. Donovan & Sons.....	615 00	615 00

Education Building, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Education building..	Mural decoration.....	Will H. Low.....	$30,000 00	$2,866 78

State Institute of Applied Agriculture on Long Island, Farmingdale, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Central heating and lighting plant....	Boiler plant, etc.....	Albert Winternits.....	$103,000 00	
		Addition	206 53	
			$103,206 53	
		Deduct	1,386 58	
			$101,819 95	$15,827 07

Agricultural Experiment Station, Geneva, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Administration, library and demonstration building..	Construction.....	P. S. Houck.....	$64,260 00	
		Addition	678 93	
			$64,938 93	
		Deduct	568 81	
			$64,370 12	$15,604 35
Administration, library and demonstration building..	Heating.....	R. T. Ford Co.....	9,745 00	
		Deduct	759 30	
			$8,985 20	2,406 20
Administration, library and demonstration building..	Plumbing and drainage...	R. T. Ford Co.....	5,372 00	
		Addition	215 00	
			$5,587 00	
		Deduct	102 00	
			$5,485 00	1,876 50

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Building	Work	Contractor	Contract	Certificates issued
Administration, library and demonstration building..	Electric.....	Conduit, Miller Co.....	$3,354 00	
		Addition	86 90	
			$3,440 90	$2,590 90
Administration, library and demonstration building..	Electric service connections.....	Empire Gas & Electric Co.....	1,340 00	1,340 00
Administration, library and demonstration building..	Metal weather strips.....	Niagara Metal Weather Strip Co.....	240 00	240 00
Administration, library and demonstration building..	Hardware.....	Albany Hardware and Iron Co.....	675 00	
		Addition	10 95	
			$685 95	
		Deduct	29 30	
			$656 65	656 65
	Painting existing buildings	Boyd Decorating Co., Inc.....	2,362 00	2,362 00

John Boyd Thatcher Park

Building	Work	Contractor	Contract	Certificates issued
*Administration building.....	Construction.....	A. Gander & Sons.....	$683 00	
		Addition	265 00	
			$948 00	

Health Department, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Laboratory bldg....	Construction.....	A. E. Stephens. Co....	$111,000 00	
		Addition	786 19	
			$111,786 19	
		Deduct	4,500 00	
			$107,286 19	$100,741 19
*Laboratory bldg...	Construction sterile rooms, Media Hood.....	A. E. Stephens Co.....	10,600 00	3,867 50
*Laboratory bldg...	Heating.....	The Merrill Co.....	48,082 00	37,161 60
*Laboratory bldg...	Sanitary.....	A. J. Eckert Co.....	55,500 00	
		Addition	3,511 00	
			$59,011 00	
		Deduct	11 50	
			$58,999 50	43,311 75

*risk indicates that the contract was in force July 1, 1919.

Building	Work	Contractor	Contract	Certificate[8] issued
*Laboratory bldg...	Electric.....	Gagen & Butler, Inc...	$ 10,484 00	
			958 00	
			$11,442 00	$9,561 70
*Laboratory bldg...	Laundry equipment.....	American Laundry Machinery Co.....	4,270 00	2,601 00
*Laboratory bldg...	Electric elevator.....	Graves Electric Co., Inc.	5,400 00	4,194 75
*Laboratory bldg...	Hardware.....	Norwalk Lock Co.....	1,783 00	
		Addition	59 95	
			$1,842 95	
*Laboratory bldg...	Gasoline tank and pump...	S. F. Bowser & Co., Inc.	595 00	
*Laboratory bldg...	Electric clock system.....	The E. Howard Clock Co.....	1,178 00	
*Laboratory bldg...	Electric dumbwaiters.....	Elevator Supplies Co..	5,789 00	

School of Agriculture, Morrisville, N. Y.

Building	Work	Contractor	Contract	Certificate issued
*Laboratory and class room bldg...	Construction.....	William L. Field.....	$51,800 00	
		Addition	685 00	
			$52,485 00	$26,567 60
*Laboratory and class room bldg...	Heating.....	H. J. Brandeles Co....	8,676 95	2,847 50
*Laboratory and class room bldg...	Plumbing and drainage...	Murtagh & Redington.	5,400 00	3,145 00
*Laboratory and class room bldg...	Electric.....	J. E. M. Electric Co...	2,335 00	200 00

Quarantine Station, Hoffman's Island, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Power plant.....	Setting and connecting two boilers.....	Austin Heating Corporation.....	$4,245 00	$2,643 50
Power plant.....	Moving two boilers.....	North Atlantic Eng. Corp.....	1,414 00	1,414 00
Kitchen, laundry building, south dormitory.....	Construction, new toilet..	J. M. Knopp.....	4,707 00	4,707 00
Kitchen, laundry building, south dormitory.....	Plumbing.....	J. N. Knight & Son.....	6,837 00	
		Deduct	415 40	
			$6,421 60	6,421 60

Saratoga Reservation, Saratoga Springs, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Hat horn drink hall..	Construction.....	James P. Fitzgerald....	$7,259 00	
		Addition	4,723 49	
			$11,982 49	
		Deduct	9 60	
			$11,972 89	$11,972 89

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Schuyler Mansion, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Buildings	Labor and material, sanitary work of new sewer	Fred A. Danker	$423 00	$423 00
Buildings	Iron railing and trees support	N. C. Clausen Arch. Iron Co.	179 00	179 00

Sir William Johnson Mansion, Johnstown, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Caretaker's cottage	Construction	Eli J. Miller	$3,090 47	
		Deduct	166 00	
			$2,824 47	$429 99

State Hall, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
State hall	Four steel cases	F. D. Sargent	$205 00	$205 00
State hall	Development of grounds	M. L. Ryder Adg. Co.	1,086 00	1,086 00
State hall	Taking down draperies and rehanging same	John G. Myers Co.	7 80	7 80
State hall	Metal screens and weather strips	Chamberlain Metal Weather Strip Co.	1,912 65	
		Deduct	63 05	
			$1,849 60	659 60
State hal'	Materials for Judge Hiscock's room	Art Metal Construction Co.	4 80	4 80
	*Electric work	E. Joy Co.	9,753 00	
		Addition	3,403 02	
			$13,156 02	
		Deduct	4 71	
			$13,151 31	

Syracuse College of Forestry, Syracuse, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Laboratory	Additional radiation in laboratory of Forest Entomologist & Attic Laboratory	Young & Power	$598 00	$598 00
Forestry building	Heating	Willard E. Lape	14,597 00	
		Addition	551 00	
			$15,148 00	
		Deduct	10 00	
			$15,138 00	764 00

* An asterisk indicates that the contract was in force July 1, 1919.

SUMMARY

CONTRACTS IN FORCE JULY 1, 1919

State Hospitals

Binghamton State Hospital	$52,078 29
Brooklyn State Hospital	669,888 24
Central Islip State Hospital	540,877 70
Hudson River State Hospital	52,000 00
Kings Park State Hospital	2,662 00
Manhattan State Hospital	280,232 83
Rochester State Hospital	21,187 47
Utica State Hospital	155,042 00
Willard State Hospital	3,095 00
Total	$1,777,063 53

Charitable Institutions

Albion — Western House of Refuge	$64,495 00
Bath — State Soldiers' and Sailors' Home	111,181 11
Bedford — State Reformatory for Women	10,823 00
Elmira — State Reformatory	665 00
Hudson — State Training School for Girls	989 00
Iroquois — Thomas Indian School	7,325 00
Letchworth Village, Thiells	1,239,790 72
Napanoch — Eastern New York Reformatory	9,413 00
Newark — State School for Mental Defectives	82,299 00
Oxford — Women's Relief Corps Home	3,870 00
Sonyea — Craig Colony for Epileptics	85,295 00
West Haverstraw — Hospital for Crippled and Deformed Children	11,698 00
Total	$1,627,843 83

Prisons

Sing Sing Prison	$1,178,233 76
Wingdale Prison	1,044,634 38
Total	$2,222,868 14

Schuyler Mansion, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Buildings	Labor and material, sanitary work of new sewer	Fred A. Danker	$423 00	$423 00
Buildings	Iron railing and trees support	N. C. Clausen Arch, Iron Co	179 00	179 00

Sir William Johnson Mansion, Johnstown, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Caretaker's cottage	Construction	Eli J. Miller	$3,090 47	
		Deduct	166 00	
			$2,824 47	$429 99

State Hall, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
State hall	Four steel cases	F. D. Sargent	$205 00	$205 00
State hall	Development of grounds	M. L. Ryder Adg. Co.	1,086 00	1,086 00
State hall	Taking down draperies and rehanging same	John G. Myers Co.	7 80	7 80
State hall	Metal screens and weather strips	Chamberlain Metal Weather Strip Co.	1,912 65	
		Deduct	63 05	
			$1,849 60	659 60
State hal'	Materials for Judge Hiscock's room	Art Metal Construction Co.	4 80	4 80
	*Electric work	E. Joy Co.	9,753 00	
		Addition	3,403 02	
			$13,156 02	
		Deduct	4 71	
			$13,151 31	

Syracuse College of Forestry, Syracuse, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Laboratory	Additional radiation in laboratory of Forest Entomologist & Attic Laboratory	Young & Power	$598 00	$598 00
Forestry building	Heating	Willard E. Lape	14,597 00	
		Addition	551 00	
			$15,148 00	
		Deduct	10 00	
			$15,138 00	764 00

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CONTRACTS IN FORCE JULY 1, 1919

State Hospitals

Binghamton State Hospital	$52,078 29
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Manhattan State Hospital	280,232 83
Rochester State Hospital	21,187 47
Utica State Hospital	155,042 00
Willard State Hospital	3,095 00
Total	$1,777,063 53

Charitable Institutions

Albion — Western House of Refuge	$64,495 00
Bath — State Soldiers' and Sailors' Home	111,181 11
Bedford — State Reformatory for Women	10,823 00
Elmira — State Reformatory	665 00
Hudson — State Training School for Girls	989 00
Iroquois — Thomas Indian School	7,325 00
Letchworth Village, Thiells	1,239,790 72
Napanoch — Eastern New York Reformatory	9,413 00
Newark — State School for Mental Defectives	82,299 00
Oxford — Women's Relief Corps Home	3,870 00
Sonyea — Craig Colony for Epileptics	85,295 00
West Haverstraw — Hospital for Crippled and Deformed Children	11,698 00
Total	$1,627,843 83

Prisons

Sing Sing Prison	$1,178,233 76
Wingdale Prison	1,044,634 38
Total	$2,222,868 14

Building	Work	Contractor	Contract	Certificates issued
Administration, library and demonstration building..	Electric.....	Conduit, Miller Co.....	$3,354 00	
		Addition	86 90	
			$3,440 90	$2,590 90
Administration, library and demonstration building..	Electric service connections.....	Empire Gas & Electric Co.....	1,340 00	1,340 00
Administration, library and demonstration building..	Metal weather strips.....	Niagara Metal Weather Strip Co.....	240 00	240 00
Administration, library and demonstration building..	Hardware.....	Albany Hardware and Iron Co.....	675 00	
		Addition	10 95	
			$685 95	
		Deduct	29 30	
			$656 65	656 65
	Painting existing buildings	Boyd Decorating Co., Inc.....	2,362 00	2,362 00

John Boyd Thatcher Park

Building	Work	Contractor	Contract	Certificates issued
*Administration building.....	Construction.....	A. Gander & Sons.....	$683 00	
		Addition	265 00	
			$948 00	

Health Department, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Laboratory bldg....	Construction.....	A. E. Stephens. Co....	$111,000 00	
		Addition	786 19	
			$111,786 19	
		Deduct	4,500 00	
			$107,286 19	$100,741 19
*Laboratory bldg...	Construction sterile rooms, Media Hood.....	A. E. Stephens Co.....	10,600 00	3,867 50
*Laboratory bldg...	Heating.....	The Merrill Co.....	48,082 00	37,161 60
*Laboratory bldg...	Sanitary.....	A. J. Eckert Co.....	55,500 00	
		Addition	3,511 00	
			$59,011 00	
		Deduct	11 50	
			$58,999 50	43,311 75

* An asterisk indicates that the contract was in force July 1, 1919.

Building	Work	Contractor	Contract	Certificates issued
*Laboratory bldg...	Electric.....	Gagen & Butler, Inc...	$ 10,484 00	
			958 00	
			$11,442 00	$9,561 70
*Laboratory bldg...	Laundry equipment.....	American Laundry Machinery Co.....	4,270 00	2,601 00
*Laboratory bldg...	Electric elevator.....	Graves Electric Co., Inc.	5,400 00	4,194 75
*Laboratory bldg...	Hardware.....	Norwalk Lock Co.....	1,783 00	
		Addition	59 95	
			$1,842 95	
*Laboratory bldg...	Gasoline tank and pump...	S. F. Bowser & Co., Inc.	595 00	
*Laboratory bldg...	Electric clock system.....	The E. Howard Clock Co.....	1,178 00	
*Laboratory bldg...	Electric dumbwaiters.....	Elevator Supplies Co..	5,789 00	

School of Agriculture, Morrisville, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Laboratory and class room bldg...	Construction.....	William L. Field.....	$51,800 00	
		Addition	685 00	
			$52,485 00	$26,567 60
*Laboratory and class room bldg...	Heating.....	H. J. Brandeles Co....	8,676 95	2,847 50
*Laboratory and class room bldg...	Plumbing and drainage...	Murtagh & Redington.	5,400 00	3,145 00
*Laboratory and class room bldg...	Electric.....	J. E. M. Electric Co...	2,335 00	200 00

Quarantine Station, Hoffman's Island, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Power plant.....	Setting and connecting two boilers.....	Austin Heating Corporation.....	$4,245 00	$2,643 50
Power plant.....	Moving two boilers.....	North Atlantic Eng. Corp.....	1,414 00	1,414 00
Kitchen, laundry building, south dormitory.....	Construction, new toilet..	J. M. Knopp.....	4,707 00	4,707 00
Kitchen, laundry building, south dormitory.....	Plumbing.....	J. N. Knight & Son.....	6,837 00	
		Deduct	415 40	
			$6,421 60	6,421 60

Saratoga Reservation, Saratoga Springs, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Hat horn drink hall..	Construction.....	James P. Fitzgerald....	$7,259 00	
		Addition	4,723 49	
			$11,982 49	
		Deduct	9 60	
			$11,972 89	$11,972 89

* An asterisk indicates that the contract was in force July 1, 1919.

SIXTH ANNUAL REPORT OF THE DEPARTMENT OF ARCHITECTURE

STATE OF NEW YORK

DEPARTMENT OF ARCHITECTURE

ALBANY, *February* 15, 1921.

Hon. JEREMIAH WOOD, *President of the Senate, Albany, N. Y.:*

SIR.— I have the honor to submit herewith for your consideration the Annual Report of the Department of Architecture, State of New York, for the fiscal year ending June 30, 1920.

Respectfully yours,

L. F. PILCHER,
State Architect.

ANNUAL REPORT

To the Honorable, The Senate, State of New York:

GENTLEMEN.— In my Sixth Annual Report of the work of the Department of Architecture, covering the period between July 1, 1919, and June 30, 1920, which is herewith transmitted to your honorable body, I desire to call special attention to the fact that although we, in common with all governmental activities, both State and National, have been affected by conditions resulting from the industrial upheaval caused by the World War, the work of the Department has gone on with vigor, advancing with satisfactory progress, the greater part of the work previously initiated or begun during the year and carrying to completion some of the most important building operations in which the Department has been engaged.

In any survey of the work of this Department for the year 1919–1920 there must necessarily be taken into consideration the outsanding fact of almost complete paralysis of functioning in the building world. During the period labor reached its highest cost and material, costly at the beginning of the year, had gone still higher to an almost prohibitive mark. Prices of material were affected in the first place by the unprecedented rise in labor and again, almost as much so by the frequent closing down of mills and factories and plants, the result of disagreement over wages through the economic upset.

The conditions mentioned have been nationwide, but in no State of the Union have the effects been more drastic than in our own State. Here some of the largest construction enterprises of the country, initiated through private concerns and planned many months before the industrial disturbance, have been held in abeyance, awaiting the time when more settled conditions and a more favorable market would permit of their being carried on without the enormous sacrifice of capital which unsettled markets would call for. Where private enterprise is thus affected, the State, of course, is affected much more so. In the same ratio as the State

demands and exacts the best material and the best workmanship in its construction work so is the exaction as to price by the contractor.

For the year, while the Department has been employed to its full capacity on the work in hand, it was my settled policy, rigidly adhered to, to cut off absolutely all unnecessary work and to curtail as far as consistent with the interests of the State the expense of the work found to be imperative. This was done with the hope and the belief that costs would in the not remote future reach a level where our program of construction could be carried on with better advantage to the State, without at the same time hampering any of its activities.

Even with this policy in force we find that my Department has been one of the most active in the State government, for essentially a service department as it is, its work is correlated with that of every other department of our commonwealth.

SUMMARY OF CONTRACT WORK

Contracts in force June 30, 1919	$6,225,489 04
Contracts and orders from July 1, 1919, to June 30, 1920	4,445,109 30
Special Fund Estimates July 1, 1919, to June 30, 1920	4,965,813 80
Total face of contracts, special orders and special fund estimates administered from July 1, 1919, to June 30, 1920	$15,636,412 14
Face of contracts concluded, including special fund estimates not included in contracts	7,571,770 14
Total contracts in force June 30, 1920	$8,064,642 00

The expenses of the Department during this period was $229,768.13, payroll charges $189.773.47 and maintenance and operation $39,994.66, the average monthly cost being $19,147.34.

SUMMARY OF WORK

From July first, 1919 to June 30, 1920, there were 338 contracts and special orders in force, at a total cost of $10,795,225.43.

In the State Hospital group during 1919–1920 new contracts amounting to $2,796,585.57 were awarded, the work covering laundry equipment, remodeling heating system and fire escapes at Binghamton State Hospital; laundry equipment, soot blowers, engine and generator, addition to Chronic Hospital, construction, heating, plumbing and electric work and return tank connections at Brooklyn State Hospital; laundry machinery, new boiler, stokers, etc., fire alarm system, coal and ash handling equipment and artesian well at Central Islip State Hospital; construction, heating, plumbing and electric work of building for acute patients at Kings Park State Hospital; mortuary and laboratory building, also building for chronic patients at Middletown State hospital; heating work at Rochester State Hospital; boiler breeching at St. Lawrence State Hospital; construction of building for male chronic patients and the construction of a central power plant (Marcy Division) at Utica State Hospital.

CHARITABLE INSTITUTIONS

During 1919 and 1920 new contracts amounted to $67,018.98 for new work as follows: Western House of Refuge for Women, Albion, remodeling heating system and repair work; Letchworth Village, Thiells, construction, heating, plumbing and electric work of eight cottages for girls, refrigeration equipment, laundry equipment and electric elevator in storehouse; State Custodial Asylum, Newark, heating work of cottage for inmates, outside service connections and painting water tank; Women's Relief Corps Home, Oxford, repairs to boiler mains; Craig Colony for Epileptics, Sonyea, insulation of refrigerator rooms; Hospital for Crippled and Deformed Children, West Haverstraw, laundry equipment and sanitary work.

PENAL INSTITUTIONS

Contracts amounting to $146,464.03 were awarded for the construction of stairs at Dannemora State Hospital; Sing Sing Prison, elevator in mess hall, heating in underground mains, electric work, underground electric conduit boiler grates, water pumping apparatus and fire escapes. At Wingdale contracts were awarded for hardware and special bolting devices.

STATE ARMORIES

Contracts for State armories amounted to $478,972.50 being for removal of present buildings, removal of debris, etc., and construction of addition, heating, plumbing and electric work at Malone State armory; Troy armory, construction, heating, plumbing and electric work.

NORMAL SCHOOLS

Contracts amounted to $111,275.35 for work on balustrades and for painting at Buffalo Normal School, painting and repair work at Geneseo Normal School; three new boilers at Oneonta Normal School; construction, heating, plumbing and electric work, boiler house at Potsdam Normal School.

MISCELLANEOUS

Contracts amounted to $234,852.87, being for repair work and electric lighting in the County Building at Albany; repair work in Agricultural Hall, Albany; construction and repair work in Benson Building, Albany; repairs to roof of State Capitol and also for electric work in Executive offices and storm sash on windows, rooms 334–335 and 336. At the State School of Agriculture, Cobleskill, contract was awarded for sanitary work in Home Economics Building. At the State Education Building, Albany, a contract was awarded for sidewalks and grading. At Geneva Experiment Station, Geneva, N. Y., contracts were awarded for painting and for museum cases; Laboratory Building, Albany, N. Y., columns in boiler room, steam pressure sterilizers, stone vats in Media preparation room, equipment, floor coverings, wall cabinets, window shades and library floor. Contract was awarded for metal equipment for Income Tax Bureau of the State Comptroller's office, for furniture and teller's cage work. At Hoffman's island, quarantine station, contract was awarded for new well, trestle repair work, new chimney construction and for new steel buildings. At John Boyd Thacher park an administration building is to be erected. At the State office building contracts were awarded for shoring foundation walls, test borings and fence around land. At Syracuse Fair Grounds contract was awarded for horse stalls and at Syracuse University for plumbing, electric work and extending blackboards.

SPECIAL FUND ESTIMATES

Four thousand four hundred and sixty-seven special fund estimates amounting to $4,065,813.80 after deducting credit estimates and involving in many cases the preparation of plans, working sketches, details and specifications by this Department or the consideration and correction of such plans, sketches, etc., as prepared and submitted by the institutions, were approved by me during the year.

This is a very large increase over the number of such special fund estimates submitted to me in previous years, due to the insertion of a clause in the annual appropriation for the support of government requiring that "expenditures from appropriations made by this act for repairs and alterations to buildings and replacement of mechanical equipment shall only be made on estimates submitted to and approved by the State Architect, in addition to approvals now required by law." This requirement brought to me repair and replacement estimates from practically all institutions in the State, which are included under that appropriation act and increased the number of estimates so submitted by several thousand.

Also due to the practice of the State Hospital Commission of requiring the submission of special fund estimates covering all contracts, sixty-one of the above estimates submitted, totaling $3,000,459.62 were for contracts, awarded for construction work at State hospitals; nine of these were for Brooklyn State Hospital; twenty-eight for Central Islip State Hospital; four for Hudson River State Hospital; one at the Kings Park State Hospital; five at the Manhattan State Hospital; seven at Middletown State Hospital; and seven at the Utica State Hospital.

The following is a summary of the number and total amounts of all special fund estimates passed upon for the various institutions:

State Hospitals

	Estimates	Amount
Binghamton State Hospital	270	$96,480 58
Brooklyn State Hospital	327	326,973 30
Buffalo State Hospital	94	37,675 62
Central Islip State Hospital	171	299,488 74
Gowanda State Hospital	117	22,693 91

State Hospitals — Continued.

	Estimates	Amount
Hudson River State Hospital	196	154, 664 02
Kings Park State Hospital	244	418, 211 91
Manhattan State Hospital	230	201, 011 03
Middletown State Hospital	133	728, 955 02
Rochester State Hospital	56	21, 576 11
St. Lawrence State Hospital	142	40, 817 86
Utica State Hospital	237	1, 912, 835 23
Willard State Hospital	105	35, 374 50
	2, 322	$4, 296, 757 83

Charitable Institutions

Albion — Western House of Refuge for Women	40	$7, 161 70
Batavia — School for the Blind	35	5, 758 66
Bath — Soldiers and Sailors' Home	59	21, 328 71
Bedford Hills — Reformatory for Women	61	6, 660 76
Elmira — Reformatory	132	30, 527 28
Hudson — Training School for Girls	94	16, 053 42
Industry — Agicultural & Industrial School	105	18, 827 66
Iroquois — Thomas Indian School	65	25, 480 17
Napanoch — Eastern New York Reformatory	48	14, 671 45
Newark — School for Mental Defectives	100	22, 158 69
Oxford — Women's Relief Corps Home	57	3, 915 88
Randall's Island — House of Refuge	57	14, 702 98
Ray Brook — Hospital for Tuberculosis	70	9, 885 85
Rome — School for Mental Defectives	293	64, 067 46
Sonyea — Craig Colony for Epileptics	91	41 287 66
Syracuse — School for Mental Defectives	72	10, 281 26
Thiells — Letchworth Village	163	50, 534 77
West Haverstraw — Hospital for Crippled and Deformed Children	24	23, 164 35
	1, 566	$386, 468 71

Prisons

Auburn Prison	70	$23, 579 15
Clinton Prison	60	28, 085 60
Dannemora State Hospital	50	22, 492 79
Great Meadow Prison	58	23, 849 20
Matteawan State Hospital	29	20, 525 42
Sing Sing Prison	35	30, 056 73
	302	$148, 588 89

Conservation Commission

	Estimates	Amount
Bath — Fish Hatchery	3	$320 50
Bemus Point — Hatchery	2	19 20
Boreas Mt. Cabin	1	8 05
Brownville Game Farm	2	221 30
Caledonia Fish Hatchery	4	35 00
Chautauqua Fish Hatchery	1	4 80
Central Islip Nursery	2	32 50
Cold Harbor Hatchery	3	178 19
Constantia Fish Hatchery	12	1,749 51
Comstock Nursery	2	107 00
Dunkirk Fish Hatchery	17	5,412 16
Field Station	2	585 97
Forestry Work — Division of Forestry	6	633 15
Fulton Chain Hatchery	2	85 75
High Falls Camp	1	8 25
Lake George Station	1	73 79
Linlithgo Fish Hatchery	3	68 94
Long Island Game Farm	1	18 00
Margaretville Fish Hatchery	4	88 73
Middle Island Game Farm	1	9 00
Moose River Station	1	116 33
Mumford Fish Hatchery	1	106 04
Observation Stations	3	367 37
Observation Towers	13	378 14
Ogdensburgh Fish Hatchery	1	4 00
Oneida Fish Hatchery	1	11 37
Old Forge Fish Hatchery	1	7 50
Saratoga Springs Reservation	64	33,321 67
Schuylerville Canal Ponds	1	8 41
Sherburne Game Farm	5	1,147 89
South Fuller Mt. Cabins	1	16 00
Shoreham Game Farm	1	196 30
St. Lawrence Fish Hatchery	6	471 50
Tooley Mt. Fire Station	1	5 00
Upper Saranac Fish Hatchery	3	152 83
Warrensburgh Fish Hatchery	9	400 49
White Face Mt. Station	1	22 89
White Face Observation Tower	1	5 82
	184	$46,399 34

Miscellaneous

Albany Laboratory	13	$3,675 49
Albany — Education Building	1	1,200 00
Albany — College for Teachers	6	651 10

Miscellaneous—Continued

	Estimates	Amount
Brockport Normal School	7	1,729 30
Buffalo Normal School	17	2,525 43
Buffalo — Institute for Malignant Diseases	1	2,834 19
Delhi — School of Agriculture and Domestic Science	2	404 41
Farmingdale — Institute of Applied Agriculture	10	57,810 48
Fredonia Normal School	2	5,600 00
Geneva —Agricultural Experiment Station	2	1,028 94
Indian Schools	3	843 60
Ithaca — Cornell University — College of Agriculture	1	1,400 00
New Paltz Normal School	13	854 15
Oneonta Normal School	6	866 75
Plattsburgh Normal School	1	208 00
Poughkeepsie — Gov. Clinton House	3	3,822 73
Rosebank — Quarantine Station	1	1,199 73
Syracuse — College of Forestry, Syracuse University	4	944 73
	93	$87,599 03

Resumé

State Hospitals	2,322	$4,296,757 83
Charitable Institutions	1,566	386,468 71
Prisons	302	148,588 89
Conservation Commission	184	46,399 34
Miscellaneous Institutions	93	87,599 03
Grand Total	4,467	$4,965,813 80

NEW PROJECTS CONSIDERED

During the year one hundred fifteen (115) new projects were considered by the Department which involved the preparation of plans and, in the majority of cases the sketches, working drawings and detailed specifications necessary to advance the work to contract.

The institutional and departmental work inaugurated during the year for which appropriations have been made is as follows:

Job No.	Institution	Work
931	Manhattan	Bakery and equipment.
932	Hudson	Additional toilets and baths.
933	Manhattan	Alterations to west stable.
934	Capitol	Repairs.

Job No.	Institution	Work
935....	Rochester	Replacement of roof.
936....	Willard	Boilers, Manhattan to Willard.
937....	Newtown Battlefield	Concrete steps.
938....	Rome	Repairing barn, Bush farm.
939....	Willard	Floors, Chapin House kitchen.
940....	Sing Sing	New elevators.
941....	Hudson River State Hospital	Repairs, boilers.
942....	Buffalo Normal	Painting.
943....	Buffalo Hospital	Alterations, Main building.
944....	Potsdam Normal	Alterations to gutters.
945....	Capitol	Filing cases, income tax.
946....	Bedford	Water supply.
947....	Newark	Painting water tank.
948....	Thiells	Bakery equipment.
949....	Central Islip	Quarantine building.
950....	Health Department	Filing cases.
951....	Middletown	Toilet and bath facilities.
952....	Oxford	Silo.
953....	Syracuse Feeble Minded....	Heating plant in greenhouse.
954....	Oxford	Steam pipes, power house.
955....	Geneva	Tablet with inscriptions.
955-A..	Agricultural Hall	Cutting windows 2nd floor.
956....	St. Lawrence	Removal of smoke stack.
957....	Utica	Supports under printing press.
958....	Cornell	Building of brick and natural stone trimmings.
959....	Capitol Power House.....	Reconstruction scale pit.
960....	Willard	Accommodations for tubercular patients.
961....	Utica	Bakery.
962....	Manhattan	Alterations to East building.
963....	Central Islip	Fire alarm system.
964....	Cortland	Reconstruction, School building.
965....	Binghamton	Remodeling heating system.
966....	Canceled	
967....	Capitol	Storm windows.
968....	Brooklyn	Elevators, dining-room, east building.
969....	Manhattan	Remodeling old boiler room for shop, new electric generator unit, overhead runway and pump room.
970....	Great Meadow	Hot water system, greenhouse.
971....	Brooklyn	Block plan of sewage system.
972....	Brooklyn	Lighting grounds.
973....	Kings Park	Changes in electric light system.
974....	Buffalo	Extension to buildings.
975....	Hoffman's Island	Wooden trestle supporting water tank.
976....	Manhattan	Alterations and additions to dining-room.

Job No.	Institution	Work
977....	Rochester	Galvanized ventilating duct.
978....	Sing Sing	Fire escape for Hospital.
979....	Canceled	
980....	Agricultural Hall	Additional radiation, 4th floor.
981....	Brooklyn	Administration and Staff building.
982....	Randall's Island	Machinery for laundry.
983....	Willard	Tile floor, dining-room, Edgemere.
984....	Auburn Prison	Power plant.
985....	Kings Park	Rewiring of buildings.
986....	Comstock	Reconstruction of Hotel building.
987....	Thiells	Female Infirm group.
988....	Albion	Additional toilet accommodations for old cottages.
989....	Sing Sing	Death house.
990....	Cornell	Development of College of Agriculture.
991....	Agricultural Hall	Painting.
992....	Agricultural Hall	Painting.
993....	Oxford	Repairing boilers.
994....	Schuyler Mansion	Burglar alarm system.
995....	Bedford Hills	Sewage disposal plant.
996....	Buffalo	Additions and alterations, heating plant.
997....	Brooklyn	Food corridor.
998....	Capitol Office Building Site.	Sale of paving blocks, Congress St.
999....	Public Buildings	Remodeling County building.
1000....	Public Buildings	Remodeling Benson building.
1001....	Delhi	Poultry house.
1002....	Capitol	Moving State departments.
1003....	Syracuse Feeble-Minded	Electric wiring at Fairmount.
1004....	State Fair	Horse stalls.
1005....	Brooklyn	Additional equipment for refrigeration.
1006....	Utica	Repairs to heating system.
1007....	Utica	Renewing plumbing.
1008....	Wingdale	Wall.
1009....	Capitol	Mezzanine floor, Insurance Dept.
1010....	Executive Mansion	Stalls.
1011....	Delhi	Hog and calf barn.
1012....	Delhi	Grading grounds.
1013....	West Haverstraw	School building.
1014....	Clinton Prison	Refrigerating plant and cooling rooms.
1015....	Chamont Bay	Pavilion on Long Point.
1016....	Capitol	Rewiring Executive chamber.
1017....	Potsdam	Repairs and alterations Cook and Stowell Annex.
1018....	Hudson Training School...	Repairs to coal trestle.
1019....	State Fair	Repairs to woodwork, brick buildings.

Job No.	Institution	Work
1020....	State Fair	Two balconies, Manufacturers bldg.
1021....	Sonyea	Refrigerating apparatus.
1022....	Sonyea	Addition to water supply system.
1023....	St. Lawrence	Soot blowers.
1024....	Binghamton	Extension of electric lines to farm buildings.
1025....	Binghamton	Service lines.
1026....	Binghamton	Laundry equipment, including elevator.
1027....	Bath	Electric machinery and service connections.
1028....	Bath	Additional fire protection.
1029....	Bath	Domestic hot water system.
1030....	Bath	Additional apparatus in boiler room.
1031....	Bath	Repairs to heating system.
1032....	Geneseo	New toilets.
1033....	Hudson River State Hospital	Employes' home.
1034....	Iroquois	Additional equipment and water supply.
1035....	Oxford	Intsalling cold storage plant.
1036....	Brooklyn Armory	Installing latrine.
1037....	Albion	Milk house.
1038....	Public Buildings	Alterations to DeGraff building.
1039....	Capitol	Mezzanine floor in Senate Document room.
1040....	Cornell	Cold storage for fruit.
1041....	Great Meadow	Repairs to heating system.
1042....	Hudson River	Addition to carpenter shop and equipment.
1043....	Gowanda	Dairy barn and silo.
1044....	Manhattan	Soot blowers.
1045....	Utica	Emergency repairs and electric lift, print shop.

CHARITABLE INSTITUTIONS

Western House of Refuge for Women, Albion

Revised plans have been made for finishing the attic in the industrial building. Minor alterations in several of the old cottages have been made.

New York State Soldiers' and Sailors' Home, Bath

Plans and specifications have been made for a covered corridor to connect the new barracks H and I with the mess hall.

New York State Training Schools for Girls, Hudson

Sketches and estimates have been prepared for alterations of the McIntyre house. It is proposed to do this work by the special fund estimate system.

Drawings and specifications have also been made for additional concrete buttresses to strengthen the railroad embankment wall at the power house.

Letchworth Village, Thiells

The bids received for eight cottages and service building for the girls' group, and the addition to the industrial building, mentioned in my last report, exceeded the funds available for this work; and the plans and specifications for these buildings were remade and revived, and contracts let on the revised plans and specifications.

Drawings and specifications have been made for window guards on the storehouse; and drawings prepared for the equipment of the bakery.

Rome State School for Mental Defectives, Rome

Drawings have been made for rebuilding the barn on the Brush farm.

New York State Women's Relief Corps Home, Oxford

The only work for this institution was the preparation of drawings for a fire escape on building C, and alterations in the cold storage building.

PRISONS

Great Meadow Prison

Plans and specifications have been made for a one-story modern shop building. The Department made a survey of the old hotel property, known as the Mitchell House, and developed plans for alterations designed to convert this building into apartments for six families.

Sing Sing Prison

In addition to completing the plans for the future buildings in the new Sing Sing group, drawings have been made for a new

fire escape on the old hospital building; test pits on the sites of the proposed prison wall and the proposed building for capital crime convicts.

Sketches have been made for a reinforced concrete wall 24 feet high around the new prison, and for a building to house and care for those convicted of capital crimes. This building will contain cells for 39 prisoners, 5 out-door exercising yards enclosed by walls, kitchen, execution chamber, morgue and autopsy room. Drawings have also been made for repairs to the old arsenal building.

Wingdale Prison

Drawings and specifications have been made for special locking bolts on exterior steel doors of the new buildings.

Dannemora State Hospital

Drawings and specifications have been made and a contract let for the construction of fireproof stairs in the northwest wing.

NORMAL SCHOOLS

Buffalo

Specifications were prepared for exterior painting of windows and other exterior woodwork.

Cortland

Preliminary studies are being made for a new group of buildings to replace the school recently destroyed by fire.

Geneseo

Plans and specifications have been completed for an addition to this school which will provide space for the kindergarten department, eight class rooms, manual training workroom, and toilets. Also for alterations and improvements of toilets and baths of the gymnasium.

Potsdam

Drawings have been made for concrete walks around the new group of buildings, and for alterations and additions to roof gutters.

MISCELLANEOUS

Cornell University

Plans and specifications have been made for additions to the greenhouses, and to the laboratory building of the College of Agriculture.

Syracuse University

To better accommodate the work of the College of Forestry, it has been advisable to make minor alterations within the college building. These operations have received the attention of this Department.

Laboratory, State Department of Health

Revised plans and specifications have been made for a building for stabling horses and housing small animals. Drawings have also been made for roads and grading, and for strengthening floors in the laboratory building to support excessively heavy equipment. Specifications were made for linoleum floor coverings, and for shade and awnings for the laboratory building.

N. Y. State Agricultural Experiment Station, Geneva

Bids were asked for and a contract awarded for a portion of the museum cases in the administration building recently constructed.

PUBLIC BUILDINGS AND LEASED BUILDINGS

Capitol

For the capitol building drawings and specifications have been made for: Repairs to the roof; metal filing cabinets for the Department of Health; storm sash for the offices of Senate Finance Committee and Assembly Ways and Means Committee; new mezzanine floors and new filing cases for the Insurance Department.

Capitol Power House

For the installation of heavier scales for weighing coal, it was necessary to make alterations to provide a larger scale pit and install one set of heavy duty truck scales.

Agricultural Hall

Alterations in this building have consisted of cutting several new windows, and changes in the office partitions.

Office Building

Drawings and specifications have been made for test borings on the site of this building, and for the removal of the brick pavement in Congress street.

Leased Public Offices

Alterations and improvements have been made in the following buildings to accommodate the departments occupying these buildings:

Drislane Building — occupied by the Income Tax Bureau.

Albany County Building — occupied by the Public Service Commission.

DeGraff Building — occupied by the Conservation Commission.

Benson Building — occupied by the State Employment Bureau and the Health Department.

Specifications were also prepared and contract let for moving several of these departments from their former quarters to these buildings.

July 1, 1919 — *July* 1, 1920

	Construction				Engineering	
	Spec.	Sketches	Working D.	Details	Spec.	Drawings
State Hospitals	30	131	121	78	75	204
Charitable	7	11	30	41	40	76
Prisons	6	43	40	45	15	41
Educational, general, regulative	8	32	36	1	11	16
Armories	3	5	21	3	3	31
Public buildings	20	4	27	.....	4	7
Reservations	1	3	15	1	1	1
Miscellaneous	10	9	16	6	28	6
Totals	85	238	306	175	177	382

Total (No. of Specifications, 262; Drawings, 1101).

STATE HOSPITALS

Brooklyn State Hospital

Drawings and specifications were prepared and contract awarded for a two-story brick addition to the laundry building, and drawings made for a one-story corridor to connect the reception hospital and the east building for chronic patients. The corridor is being constructed by the hospital authorities under the special fund estimate system.

Central Islip State Hospital

At this institution drawings and specifications were prepared for a one-story quarantine building to take care of patients or attendants taken with any of the contagious diseases.

Drawings were also made for the construction work in connection with the underground steam connections to the new group for acute patients and sketches for a hospital building in connection with the new group now under construction.

Hudson River State Hospital

Drawings and specifications are well under way for a three-story and basement brick building to house the attendants employed in the buildings caring for the tubercular patients.

Kings Park State Hospital

Here drawings have been made as required for the construction work in connection with the underground steam connections to the new group for acute patients.

Middletown State Hospital

At this institution drawings and specifications are approaching completion for a new three-story brick building to accommodate three hundred chronic patients, and for a one-story kitchen building with corridors to connect this and a similar three hundred patients building now in process of construction.

Manhattan State Hospital

Drawings and specifications have been prepared for a reinforced concrete trestle to handle the coal at the central power plant, and for remodelling the old east power house into a bakery. Both projects have been set aside due to excessive cost.

Drawings and specifications have been prepared for alterations and additions to the east and west stables, and the work is being carried by the institutional authorities under the special fund estimate system.

Drawings and specifications have also been made for additions to Wards 31, 32, 33 and 34, to provide suitable bath facilities and for fly screens.

Utica State Hospital

Drawings and specifications have been prepared for the remodelling of the bakery and the work is being done by special fund estimate.

Utica State Hospital, Marcy Division

Drawings and specifications have been completed and contract awarded for the construction of a central power house with equipment, and drawings and specifications are approaching completion for the trunk line tunnels and conduits between the power house and the patients' buildings.

Drawings and specifications for a superintendent's residence, laboratory and mortuary building and a building to house the tubercular patients were completed, the work advertised and bids received. The total of the low bids received being excessive, the work was not placed under contract.

Drawings and specifications have also been made and contract awarded for a pump house in connection with the water supply.

Willard State Hospital

The drawings and specifications for the building to accommodate tubercular patients at this institution were revised and the institutional authorities are about to construct the building by special fund estimate.

Drawings and specifications have also been prepared for tile floors in the kitchen of the Chapin building and for new fireproof floor construction and tile floors in the dining rooms of the Edgemere building.

St. Lawrence State Hospital

Specifications were prepared for the removal of two abandoned smoke stacks at the power house.

Agricultural Schools

No moneys appropriated for new construction at these institutions.

MISCELLANEOUS

N. Y. State Agricultural Experiment Station, Geneva

Bids were asked for and a contract awarded for a portion of the museum cases in the administration building, recently constructed.

ARMORIES

Troop H Cavalry Armory, Rochester

Drawings and specifications were prepared for the finished grading of walks and drives about this armory. The work is under contract.

Infantry Armory, Olean

Here also drawings and specifications have been prepared for the improvement of the grounds.

DEVELOPMENT OF HISTORICAL PLACES — JULY 1, 1919 TO JUNE 30, 1920.

The preservation, restoration and repair of historical places and landmarks has been again curtailed due to high costs, shortage of labor and the more important demands upon this department for other construction work which could not be postponed.

Crown Point Reservation

Very little work was done at Crown Point reservation opposite Port Henry on Lake Champlain since my last report due to the small sum of money available. The expense of the repairs usually undertaken consists mainly of labor which has been high and difficult to secure. Much of the stone work previously relaid at the French fort with unfinished surface pointing has now been pointed and should protect the masonry for many years with minor up-keep. Other walls were unearthed and repaired adding to the outline of the fort. This work has now reached a point where it will not be advisable to continue farther until a considerable sum is available, as the remaining portion is the complicated northeast bastion or citadel. The mounds are high in this section and the walls extend deep into the bank. Much material will have to be removed once the work is started and the walls reinforced in a substantial manner or else they will be forced off by the frost action. The most interesting part of the old fort is

hidden by the mass of debris in this section and when it is preserved the ruin will be much more instructive than in its present incompleted state. Paths have been extended and steps placed so that the ramparts can be reached more readily.

At the English Fort the masonry in the barracks has been examined and all loose or damaged work repaired. The examination was necessarily slow and expensive while the actual repairs were minor. The walls now appear to be in first-class condition and will require little or no attention for some years. It should be kept in mind, however, that the walls have stood for nearly 160 years and are now as they have been for nearly a century without roofs and that any weakness must be promptly corrected if they are to remain as historic relics.

Minor repairs and painting of the roofs of the comfort station and pump house will shortly be undertaken.

Roads, culverts and guard rails have been repaired and improved which adds greatly to the convenience and appearance of the reservation.

Schuyler Mansion

Nothing has been done during the past year at Schuyler Mansion, Albany, N. Y., except to extend certain electric lighting lines and to install several new lighting fixtures. Specifications are in preparation for general repainting of the exterior of the mansion and cottage and the repainting of the interior of cottage.

Governor Clinton House

Specifications were prepared for repairs and restoration of the Governor Clinton House at Poughkeepsie last year but after advertising the work could not be awarded because the available funds were not sufficient. The local chapter of the D. A. R., custodians of the building, have undertaken to have the work done by purchase of the material and the hiring of labor under the special fund estimate method. The partitions in the first story have been reconstructed and most of the plastering replaced as the old was cracked, loose or fallen. A new floor has been laid in the first story where the modern flooring was in bad condition. Several new windows have been installed on the front to replace the more modern French windows which have detracted so much

from the appearance of the front of the house. The stairway from the second floor to attic has been reconstructed in what is believed to be the original location.

Considerable repainting and decoration is to be done, electric lights and a new heater is to be installed to reduce the fire hazard and minor repairs are to be made to the plumbing. A new front doorway is to be donated by the local chapter to take the place of the present one. The repairs are not yet completed and it is evident that some work will remain unfinished when the funds are exhausted. The work thus far done has greatly improved the appearance and the old house should shortly be open to the public after being closed for over two years.

General Herkimer House

No work has been done at this reservation.

Guy Park House

The appropriation made available this year has allowed considerable more repairs and alterations to be done at the Guy Park House in Amsterdam. The work has been done mainly by the Department of Public Works with its own force of workmen and in accordance with plans and specifications prepared by my department. The work done with the previous appropriation was only that necessary to protect the building from further decay and to repair the interior as far as possible. With the new funds it has been possible to complete the plastering, paint the exterior woodwork one more coat, to complete the woodwork and painting in the first story rooms. The heating system for the main house, the decoration of walls and the electric lighting fixtures can not be completed this year. The house, however, can be used by the local chapter of the D. A. R., who are custodians, during the summer for a meeting place. Other funds are now available and the entire work should be completed this summer and fall.

The house is in plain view from the railroad and the State highway and the repairs thus far made have changed it from a building conspicuous by its dilapidated condition to one which excites the interest of the traveler by its well kept, old and quaint appearance.

ANNUAL REPORT ENGINEERING DIVISION

During the year, plans and specifications were prepared for work of a value greater than in any previous year in the history of the division. The total amount of work, for which plans were prepared, was $2,669,782.50; as compared with the previous year, which was $2,554,836.59.

Particular Work

The following work has been cared for by the division, which may be particularly mentioned:

Central Heating and Lighting Plants

Plans and specifications have been prepared for several new central heating plants.

The new central heating and lighting plant designed for the new institution at Marcy, N. Y., consists, in general, of a boiler room with basement; a pump room; engine room, and shop extension.

The boiler room is arranged to accommodate ultimately eight 500 H. P. boilers, three of which have been placed under contract.

The boiler room is similar, in general design, to the Ward's Island and Central Islip boiler rooms. A temporary partition will, however, separate the space to be occupied by four future boilers, so that this portion of the boiler room may be used for shop and storage purposes until it is required for boilers, which will be installed as the institution develops.

The boiler plant is equipped with mechanical stokers, overhead coal bunker, distributing coal weighing larry, automatic coal and ash handling apparatus. The coal handling equipment will receive coal at grade in a hopper, either from coal cars or from the adjacent outdoor coal storage. The coal will then be carried to a crusher house by a steel belt conveyor. Thence, it will be conveyed by bucket conveyors to the overhead coal bunker within the boiler house. The distributing coal larry, which will run on tracks below the coal bunker within the boiler house, will be motor operated and will receive (in a weighing hopper) coal from the overhead coal bunker, where the coal will be weighed and then distributed by means of chutes into the stoker hoppers in front of the individual boilers.

The ashes from the boilers will be dumped into ash hoppers located directly below the boilers, from which the ashes will be taken in ash cars pushed by hand and dumped into a skip hoist bucket located outside the boiler house, and with which connection is made by a passage through a tunnel from the basement of the boiler house. The skip hoist will elevate the ashes and discharge same into an overhead ash bunker, from the bottom of which the ashes can be removed occasionally as required, by dumping same directly into an ash wagon. The skip hoist will operate automatically in a manner similar to a push button elevator, the operator pushing a button, in order to start the skip hoist, and the apparatus then automatically carrying a bucket full of ashes to a point above the ash hopper, dumping the ashes into the ash hopper and returning for another load.

The pump room equipment includes feed water heater, recording feed water meter, boiler feed pumps of the centrifugal steam turbine driven type, domestic hot water heaters (with small motor driven circulating pumps), for the supply of domestic hot water to the entire institution, heaters for the forced hot water heating system of the institution, closed expansion tanks for the forced hot water heating system, and steam turbine driven centrifugal pumps for circulating the water for the heating system.

It is intended that the buildings of the institution will ultimately be heated by hot water on three circuits. The heaters, expansion tanks and circulating pumps and turbines are being installed at the present time for two of these three circuits.

The advantage of a forced hot water heating system for an institution such as is being built at Marcy is due to the fact that the temperature of the heating medium can be controlled at the power house, thus making it possible to operate the heating system with water temperatures proportional to the weather conditions.

It has been found that during a considerable part of the heating season, radiators are not shut off by hand, as the conditions require, which results in considerable waste. Where hot water is circulated from a central point, it is possible to control the temperatures, as required, without automatic temperature regulation at each individual heating unit. A forced hot water heating

system, also, has the advantage, if expansion tanks of ample capacity are provided, of retaining the same water which becomes inert and non-corrosive, so as to practically eliminate the internal corrosion of the piping, thereby greatly lengthening the life of the piping system.

In connection with the pump room and engine room, there is provided an office for the engineer in charge, with toilet facilities for the various workers about the plant.

The engine room is arranged with alternating current generators, direct connected to steam engines, and with direct connected exciters. The electric generators will provide a 3-phase, 60 cycle, 2,300 volt current for use throughout the institution grounds. Within the engine room, there is also provided space for refrigerator compressors and equipment.

Adjacent to the end of the pump room, but separated by a fire wall, is an extension of considerable capacity to house the various shops where the repair work of the institution will be cared for.

Plans and specifications were, also, prepared for new boilers and boiler room equipment at the Buffalo State Hospital, including three 400 h. p. water tube boilers, with mechanical stokers, and coal handling equipment.

The coal handling equipment was arranged to receive coal from grade or from coal cars, elevate and crush the coal and deliver the same into an outside coal bunker, from the bottom of which coal can be taken, as required, and then weighed and distributed in small dump cars operated on a track at a level about eight feet above boiler room floor, whence the coal will be dumped into stoker coal hoppers located at the fronts of the various boilers.

Plans and specifications were prepared for new boiler room equipment, including boilers, etc., and a new heating system for the Geneseo Normal School and the various buildings connected therewith.

Refrigeration Equipment

Plans and specifications for refrigeration equipment, with insulation, etc., were prepared for Brooklyn State Hospital; Clinton Prison; Letchworth Village, Thiells, N. Y.; Women's

Relief Corps Home, Oxford; and the dining room and kitchen building at Craig Colony for Epileptics, Sonyea. These plants vary from the equipment required by a large refrigerating installation, suited to the needs of a complete institution such as the Brooklyn State Hospital, to a small plant, such as would be required for cold storage room in connection with a kitchen for an isolated group.

Underground Service

Plans and specification were prepared for underground service connections for the new group of buildings at Kings Park State Hospital and, also, for the new group of buildings at Central Islip State Hospital, which work, while required in order to serve the first few buildings of these groups, will ultimately form the main arteries supplying the completed groups.

At the Kings Park State Hospital, new service, heating and domestic hot water mains are carried from the power house in new underground construction up to the main boulevard tunnel, thence through the main boulevard tunnel to a point opposite to the new group, whence connections are carried in new underground construction to the first of the new buildings.

The sanitary service connections for the Kings Park group include separate systems of sanitary and storm water sewage piping extended and connected to the present storm and sanitary sewerage systems.

At the Central Islip State Hospital, the heating service for the new group will start from the power house at the south colony, run through new underground construction to the new group, crossing under a corridor connecting two of the present south colony group buildings. These service lines will include steam, return and domestic hot water lines, as it is intended that the domestic hot water will be heated at the power house by exhaust steam.

Sewage Disposal and Water Supply

Plans and specifications have been prepared for a sewage disposal plant for power house, Binghamton State Hospital; water supply, State Hospital for the Care of Crippled and Deformed Children, West Haverstraw; sewage disposal plant repairs, State Reformatory for Women, Bedford Hills; additional water

supply, Bedford Hills; additional water supply, Thomas Indian School, Iroquois; sewage and water supply systems, Sing Sing Prison; additional water supply, Central Islip State Hospital; additional fire protection, Soldiers' and Sailors' Home, Bath; and addition to water supply, Craig Colony for Epileptics, Sonyea.

The sewage system at Sing Sing Prison includes a separation of sanitary sewers from storm water sewers, as it is intended that some degree of purification shall be provided for the sewage which is discharged into the Hudson river. It is not essential that a high degree of purification of the sanitary sewage be obtained at the present time, but an effort is being made for the installation of a sewage disposal plant sufficient to remove the solids and other objectionable floating matter. In the case of institutions and villages located along the Hudson river, it is especially important that the State should set a proper example, if it is expected that the various communities will install apparatus requisite to prevent the extreme pollution and improve the appearance of the river.

Laundry Equipment, Etc.

Plans and specifications have been prepared for additional laundry equipment at Letchworth Village; Central Islip State Hospital; Binghamton State Hospital; Randall's Island, etc., which laundry equipment has been installed in a number of cases by the institution.

Ground Lighting, Etc.

Plans and specifications have been prepared for electric ground lighting systems at Kings Park State Hospital and Brooklyn State Hospital, which work it is expected will be installed by the institution and which when complete will give to each of these hospitals an up-to-date efficient system of outside lighting.

Plan Supervision

During the year, records of operation from the various State hospitals and the larger charitable institutions have been received, which furnished information in reference to the operation of the central power houses at these institutions.

Daily log sheets are kept at the institution plants, recording instrument readings, etc. These cover the various phases of plant operation. Log sheets are sent to this Department bi-monthly and are carefully studied and analyzed. A definite monthly report, together with recommendations for improving efficiency, based on the records, as shown on the the log sheets submitted, is made by this Department to the superintendent of the institution through the controlling Commission.

Personal inspection by Department engineers is also made when necessary, to check instruments, make tests or observe actual plant operating conditions.

The co-operation of the institutional and commission authorities and operating engineers has made possible the considerable saving in coal, as indicated by the following table:

Institution	Tons Coal Consumed 1918–1919	Tons Coal Consumed 1919–1920
Brooklyn	4,794	(a) 5,682
Buffalo	12,640	12,210
Gowanda	12,095	8,607
Hudson River	21,346	19,279
Kings Park	25,166	21,156
Manhattan	39,384	24,249
Middletown	12,759	9,967
Rochester	8,117	7,938
St. Lawrence	16,042	12,960
Totals	152,343	122,048

(a) Additional building added to load.

A summary of the above figures shows that a total of 30,295 tons of coal was saved during the period from July, 1919, to July, 1920, over the period from July, 1918, to July, 1919, at the institutions listed. The money value of this saving of coal, based on a price of $6 per ton is $181,770.

Plant supervision has been inaugurated or is about to be inaugurated by this Department at Binghamton, Central Islip, Utica State Hospitals and the larger charitable institutions, namely, Albion, Bath, Bedford, Elmira, Hudson Training School, Newark, Sonyea and Syracuse, and it is expected that a saving in coal will be obtained at these institutions.

The plant operation records are, also, proving of value in connection with the design, etc., of new plants.

STATE OF NEW YORK

STATISTICAL REPORT OF THE DEPARTMENT OF ARCHITECTURE

For the Fiscal Year Ending June 30, 1920

Financial Statement for the Fiscal Year Ending June 30, 1920

Payrolls From July 1, 1919, to June 30, 1920

July, 1919	$14,617 24
August, 1919	14,737 84
September, 1919	14,638 74
October, 1919	13,514 27
November, 1919	13,297 03
December, 1919	13,526 35
January, 1920	13,197 40
February, 1920	13,102 51
March, 1920	11,823 63
April, 1920	12,855 92
May, 1920	13,269 36
June, 1920	12,999 57
Total	$162,679 86

Appropriated by chapter 177 — 1919 I	$179,435 00
Appropriated by chapter 165 — 1920 II	375 00
	$179,810 00
Paid from July 1, 1919, to June 30, 1920	162,679 86
Balance, June 30, 1920	$17,130 14

Maintenance and Operation

July, 1919	$4,928 49
August, 1919	3,781 72
September, 1919	2,898 22
October, 1919	3,844 97
November, 1919	2,770 21
December, 1919	2,935 04
January, 1920	2,767 56
February, 1920	2,334 29
March, 1920	2,526 91
April, 1920	2,407 36
May, 1920	6,149 71
June, 1920	2,650 18
Total	$39,994 66

Appropriated by chapter 177 — 1919 I	$31,477 47	
Appropriated by chapter 165 — 1920 II	12,000 00	
Balance in chapter 151 — 1918 I	4,951 81	
		$48,429 28
Paid from July 1, 1919, to June 30, 1920	$39,994 66	
Lapsed	2,623 99	
		42,618 65
Balance June 30, 1920		

RECAPITULATION

Office maintenance	$162,679 86
Maintenance and operation	39,994 66
Total	$202,674 52

Statement of Contracts in Force, Contracts Completed, and Certificates Issued on Contracts During the Fiscal Year July 1, 1919 to June 30, 1920, Inclusive

State Hospitals

Binghamton State Hospital, Binghamton, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Chronic	Bumpers for toilets	Peter Keeler Building Co.	$60 00	$60 00
Chronic	Repairs to coal trestle	Lehigh Structural Steel Co.	24,284 00	
		Addition	574 72	
			241858 72	24,858 72
Power plant	Sanitary work	F. N. Lewis Co.	4,072 50	4,072 50
*Power plant	Laundry equipment	Troy Laundry Machinery Co., Ltd.	11,000 00	
*Power plant	Remodeling heating system	Bayer Steam Soot Blower Co.	1,250 00	
*Power plant	Fire escapes	West Side Structural Co.	1,596 00	
*Boiler plant	Heating	Gaylord Engineering & Construction Co.	17,893 00	
		Deduction	63 19	
			17,829 81	

Brooklyn State Hospital, Brooklyn, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Reception hospital	Elevator door locks	Rangeley Construction Co.	$45 90	$15 00
Reception hospital	Plumbing and drainage	John J. Kenney Co., Inc.	17,232 00	
		Addition	280 00	
			17,512 00	
		Deduction	150 00	
			17,362 00	300 00
Power house	Heating	W. B. Armstrong Co.	19,948 00	
		Addition	221 00	
			20,169 00	
		Deduction	10 00	
			20,159 00	4,196 00
Chronic hospital	Construction	P. J. Brennan & Sons	234,800 00	
		Addition	627 21	
			235,427 21	
		Deduction	4,742 65	
			230,684 56	46,306 81

* An asterisk indicates that contract was in force June 30, 1920.

RECAPITULATION

Office maintenance	$162,679 86
Maintenance and operation	39,994 66
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Chronic	Repairs to coal trestle	Lehigh Structural Steel Co.	24,284 00	
		Addition	574 72	
			241858 72	24,858 72
Power plant	Sanitary work	F. N. Lewis Co.	4,072 50	4,072 50
*Power plant	Laundry equipment	Troy Laundry Machinery Co., Ltd	11,000 00	
*Power plant	Remodeling heating system	Bayer Steam Soot Blower Co.	1,250 00	
*Power plant	Fire escapes	West Side Structural Co.	1,596 00	
*Boiler plant	Heating	Gaylord Engineering & Construction Co.	17,893 00	
		Deduction	63 19	
			17,829 81	

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			17,512 00	
		Deduction	150 00	
			17,362 00	300 00
Power house	Heating	W. B. Armstrong Co.	19,948 00	
		Addition	221 00	
			20,169 00	
		Deduction	10 00	
			20,159 00	4,196 00
Chronic hospital	Construction	P. J. Brennan & Sons	234,800 00	
		Addition	627 21	
			235,427 21	
		Deduction	4,742 65	
			230,684 56	46,306 81

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificates issued
Chronic hospital....	Heating.....	E. Rutzler Co.....	$40,342 00	$9,605 15
Chronic hospital...	Construction.....	W. F. Plass & Bro., Inc.	172,900 00	
		Addition	3,212 40	
			176,112 40	
		Deduction	2,785 00	
			173,327 40	1,000 00
Reception building..	Electric elevators.....	Otis Elevator Co.....	19,650 00	5,180 33
Chronic.....	Hardware.....	The Lockwood Co.....	3,225 00	
		Addition	472 00	
			3,697 00	3,697 00
Chronic.....	Plumbing and drainage..	Peter Keeler Building Co.....	19,422 00	
		Addition	1,315 00	
			20,737 00	
		Deduction	2 00	
			20,735 00	100 00
Chronic.....	Electric work.....	Jandous Electric Equipment Co., Inc.....	12,790 00	
		Deduction	11 50	
			12,778 50	3,726 00
Chronic.....	Refrigeration equipment..	Karl Vesterdahl & Co..	3,470 00	1,387 50
Dining room.....	Finishing hardware.....	The Lockwood Co.....	560 00	560 00
Dining room.....	Heating work.....	E. Rutzler Co.....	4,479 00	835 90
Dining room.....	Sanitary work.....	Altman Plumbing Co..	3,685 00	
		Deduction	55 86	
			3,629 14	1,610 39
Dining room.....	Electric work.....	T. F. Jackson.....	2,437 00	732 75
Laundry building...	Construction.....	P. J. Brennan & Sons..	34,870 00	
		Addition	150 00	
			35,020 00	
		Deduction	15 04	
			35,004 96	6,011 46
Laundry building...	Sanitary work.....	T. E. O'Brien, Inc.....	1,598 00	312 63
Laundry building...	Electric.....	J. J. Gallagher Co., Inc.	1,585 00	344 00
Laundry building...	Laundry equipment.....	American Laundry Machinery Co.....	9,141 50	
		Deduction	56 00	
			9,085 50	1,813 25
Laundry building...	Sewage disposal system..	Murphy Bros.....	22,483 00	
		Addition	200 00	
			22,683 00	12,624 95
*Laundry building..	Laundry equipment.....	Troy Laundry Machinery Co., Ltd.....	11,600 00	
*Power house.....	Soot blowers.....	Bayer Steam Soot Blower Co.....	2,060 00	1,177 25
*Power house.....	Return tank connections.	Austin Engineering Co.	7,875 00	
*Power house.....	Engine and generator....	T. F. Jackson.....	9,187 00	6,953 00

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificates issued
Dining room	Construction	Rangeley Construction Co.	$53,647 00	
		Addition	111 50	
			53,758 50	
		Deduction	962 00	
			52,796 50	$9,399 97
*Chronic	Construction of addition	White-Johnson Co., Inc.	119,900 00	
		Addition	262 20	
			120,162 20	48,907 47
*Chronic	Sanitary work	T. E. O'Brien, Inc.	2,300 00	668 53
*Chronic (East)	Sanitary work	T. E. O'Brien, Inc.	30,500 00	
		Addition	42 83	
			30,542 83	
		Deduction	94 90	
			30,447 93	3,434 00
*Chronic (East)	Heating	Adams, Brits & Co., Inc.	9,200 00	1,572 50
*Chronic (East)	Electric	Jandous Electric Equipment Co., Inc.	1,498 00	170 00
*Chronic (East)	Return tank connections	Austin Engineering Co.	7,875 00	
*Reception hospital	Linoleum	Standard Carpet Co.	837 25	

Central Islip State Hospital, Central Islip, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Acute patients	Construction	Wm. L. Crow Construction Co.	$289,900 00	
		Addition	522 72	
			290,422 72	
		Deduction	34 00	
			290,388 72	$100,747 60
*Acute patients	Heating	W. B. Armstrong Co.	22,842 00	8,462 60
*Acute patients	Sanitary work	Jarcho Brothers, Inc.	24,000 00	10,391 25
*Acute patients	Electric work	G. E. Engineering Co., Inc.	6,586 00	1,575 05
*Acute patients	Laundry machinery	American Laundry Machinery Co.	5,300 00	1,921 00
*Acute patients	Laundry machinery	American Laundry Machinery Co.	12,200 00	5,100 00
*Central heating plant	New boiler, stokers, etc.	Chute, Thornton & Bayley	81,600 00	55,717 50
*Central heating plant	Fire alarm system	G. E. Engineering Co., Inc.	12,150 00	828 75
*Central heating plant	Coal and ash handling equipment	Guarantee Construction Co.	59,350 00	43,700 50

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificates issued
Central heating plant	New boilers	The Babcock & Wilcox Co.	$66,933 00	
		Addition	1,867 00	
			68,800 00	$11,597 55
Central heating plant	Artesian well	A. J. Connolly	4,720 00	
		Addition	247 80	
			4,967 80	4,967 80
Central heating plant	Heating	W. B. Amstrong Co.	26,588 00	25,143 00
Power house	Construction	B. S. Rayner	89,660 00	
		Addition	825 20	
			90,485 20	
		Deduction	873 45	
			89,611 75	16,040 00
Power house	Sanitary work	Christopher Nally	3,297 00	936 55
Laundry	Equipment	The American Laundry Machinery Co.	9,188 00	
		Deduction	18 00	
			9,170 00	2,404 00

Hudson River State Hospital, Poughkeepsie, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Laundry	Water supply	The Baker-Dunbar-Allen Co.	$52,000 00	
		Addition	4,601 19	
			56,601 19	$30,272 12

Kings Park State Hospital, Kings Park, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Acute patients	Construction	M. Kantrowitz	$277,700 00	$28,103 50
*Acute patients	Heating	A. B. Barr & Co., Inc.	21,800 00	
*Acute patients	Sanitary	W. B. Armstrong Co.	31,600 00	538 05
*Acute patients	Electric	G. E. Engineering Co., Inc.	6,375 00	204 00
*Acute patients	Sanitary work	Ganford Co., Inc.	8,320 00	6,800 00
*Acute patients	Heating service connections	W. B. Armstrong Co.	124,000 00	
Employees' home	Electric work	Commercial Construction Co.	2,662 0	463 90
Chronic	Additional excavation	W. B. Armstrong Co.	75 00	75 00

* An asterisk indicates that contract was in force June 30, 1920.

Manhattan State Hospital, Ward's Island, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Dining room — main building....	Construction.....	White-Johnson Co., Inc.	$79,800 00	
		Addition	8,503 33	
			88,303 33	
		Deduction	75 00	
			88,228 33	$67,850 29
*Dining room — main building....	Heating.....	G. E. Engineering Co., Inc.....	3,740 00	2,307 75
*Dining room — main building....	Sanitary work.....	G. E. Engineering Co., Inc.....	2,395 00	
		Deduction	15 00	
			2,380 00	1,227 78
*Dining room — main building....	Electric work.....	Charles H. Darmstadt, Inc.....	2,079 00	760 75
*Dining room — main building....	Repairing fire alarm.....	Gamewell Co.....	76 05	
*Dining room — main building....	Heating, power plant....	Walker & Chambers...	89,720 00	
		Addition	200 00	
			89,920 00	
		Deduction	917 33	
			89,002 67	
*Dining room — main building....	Coal and ash handling apparatus.....	Gifford-Wood Co.....	45,950 00	
		Addition	1,503 65	
			47,453 65	47,453 65

Middletown State Hospital, Middletown, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Mortuary and laboratory.....	Construction.....	A. E. Stephens Co.....	$28,800 00	
		Addition	627 11	
			29,427 11	$10,849 79
*Mortuary and laboratory.....	Heating.....	Charles H. Darmstadt, Inc.....	2,987 00	964 75
*Mortuary and laboratory.....	Plumbing.....	Charles H. Darmstadt, Inc.....	2,395 00	
*Mortuary and laboratory.....	Electric.....	Charles H. Darmstadt, Inc.....	729 00	175 44
* Chronic patients..	Construction.....	A. E. Stephens Co.....	283,330 00	
		Addition	328 90	
			283,658 90	
		Deduction	44 55	
			283,614 35	145,640 21

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificates issued
*Chronic patients...	Heating.....	Charles H. Darmstadt, Inc.....	$38,992 00	
		Addition	625 00	
			39,617 00	$15,005 62
*Chronic patients..	Sanitary.....	Charles H. Darmstadt, Inc.....	32,392 00	
		Addition	230 00	
			32,622 00	18,361 02
*Chronic patients...	Electric.....	Charles H. Darmstadt, Inc.....	8,489 00	
		Addition	120 00	
			8,609 00	4,295 90
*Chronic patients...	Return tank and connections.....	H. J. Brandeles.....	2,825 00	

Rochester State Hospital, Rochester, N. Y.

Building	Work	Contractor	Contract	Certificates issued
* Main building....	Heating ventilating ducts.	C. H. Davis.....	$1,107 00	

St. Lawrence State Hospital, Ogdensburg, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*.....	Boiler breeching.....	Murtagh & Reddington	$9,100 00	$8,900 00

Utica State Hospital, Utica, N. Y.

Building	Work	Contractor	Contract	Certificates issued
* Chronic patients (male).....	Construction.....	Warren Moore & Co...	$857,565 00	$38,641 00
(male).....	Heating	Globe Automatic Sprinkler Co.....	88,600 00	
*Chronic patients (male).....	Sanitary.....	H. C. Petersen Co., Inc.	66,842 00	
*Chronic patients (male).....	Electric work.....	Charles H. Darmstadt, Inc.....	20,789 00	
*Marcy division central power plant.....	Construction.....	Peter Keeler Building Co.....	206,840 00	16,312 50
*Marcy division central power plant.....	Heating.....	Shevlin Engineering Co. Inc.....	279,498 00	4,750 65
*Marcy division central power plant.....	Sanitary work.....	A. J. Eckert Co.....	10,382 00	

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Building	Work	Contractor	Contract	Certificates issued
*Marcy division central power plant	Electric work	Langdon & Hughes Electric Co.	$20,131 00	
Mortuary and laboratory	Construction	Laporte & Goodman	23,900 00	
		Deduction	64 00	
			23,836 00	$19,444 05
Mortuary and laboratory	Heating	Mohawk Valley Heating Co.	2,517 00	2,517 00
Mortuary and laboratory	Plumbing and drainage	Wicks, Hughes & Co.	2,210 00	
		Deduction	30 00	
			2,180 00	2,180 00
Mortuary and laboratory	Electric	Langdon & Hughes Electric Co.	853 00	853 00
Central heating plant	Construction and plumbing	R. G. Lloyd Co.	27,832 00	
		Addition	72 00	
			27,904 00	
		Deduction	122 53	
			27,781 47	27,781 47
Central heating plant	Heating work	McNaull Boiler Manufacturing Co.	58,120 00	58,120 00
*Central heating plant	Heating work-boilers	W. B. Armstrong Co.	39,640 00	
		Addition	307 12	
			39,947 12	
		Deduction	25 00	
			39,922 12	31,356 00

Willard State Hospital, Willard, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Brookside	Tile floor	H. A. Fey	$343 00	$343 00
* Chlorinating plant	Sanitary work	Wallace & Tiernan Co., Inc.	1,345 00	935 00
Chapin house	Tile floor construction	Conroy Marble & Tile Works	1,346 00	
		Addition	305 00	
			1,651 00	1,651 00
Pines building	Tile floors construction	Eugene G. Sackett Co.	1,750 00	
		Deduction	8 00	
			1,742 00	1,742 00

* An asterisk indicates that contract was in force June 30, 1920.

CHARITABLE INSTITUTIONS

Western House of Refuge for Women, Albion, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*New cottage.....	Construction.....	Leo J. Held.....	$29,119 00	
		Addition	299 23	
			29,418 23	$22,234 30
*New cottage.....	Heating.....	Arensmeyer, Warnock, Zahrndt, Inc.....	4,121 00	2,307 75
*New Cottage.....	Plumbing and drainage...	J. J. Bresnahan.....	5,985 00	
		Addition	405 00	
			6,390 00	3,847 95
*New Cottage.....	Plumbing and drainage..	J. J. Bresnahan.....	5,985 00	
		Addition	405 00	
			6,390 00	
*New cottage.....	Electric.....	E. Joy Co.....	1,373 00	
		Addition	15 00	
			1,388 00	
*New cottage.....	Remodeling heating system.....	J. W. Danforth Co., Inc.	8,187 00	6,742 20
New cottage.....	Repairs to steam lines....	M. J. Hawkins.....	11,947 00	
		Deduction	50 00	
			11,897 00	9,957 30
New cottage.....	Two new boilers.....	W. F. Devendorf & Co.	11,950 00	6,249 75

Soldiers' and Sailors' Home, Bath, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Barracks H and I..	Construction.....	T. H. McHale & Son...	$71,500 00	
		Addition	1,008 10	
			72,508 10	
		Deduction	130 94	
			72,377 16	$59,703 15
*Barracks H and I..	Heating.....	Austin Heating Corporation.....	7,575 00	5,142 50
*Barracks H and I.	Electric.....	H. E. Rising.....	2,208 50	1,075 25
*Barracks H and I.	Heating, construction, repairs.....	W. B. Armstrong Co..	7,700 00	4,040 90
*Barracks H and I..	Sanitary work.....	Jac. Abrams & Bro., Inc.....	5,431 50	
		Deduction	5 20	
			5,426 30	4,271 25
Mess hall.....	Sanitary work.....	Hogg-Lynn Co., Inc....	1,092 00	
		Addition	193 00	
			1,285 00	402 85
Mess hall.....	Repairs to heating construction.....	Hogg-Lynn Co., Inc...	12,779 11	
		Deduction	143 00	
			12,636 11	2,219 82

* An asterisk indicates that contract was in force June 30, 1920.

New York State Reformatory for Women, Bedford, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Laundry	Re-modeling	K. Vesterdahl & Co.	$9,940 00	
		Deduction	30 00	
			9,970 00	$4,474 25
Laundry	Screens and guards	C. L. Dooley, Inc.	913 00	
		Addition	596 00	
			1,500 00	
		Deduction	119 25	
			1,389 75	1,389 75

New York State Reformatory, Elmira, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Trade school	Fireproof doors	United Metal Covered Door and Sash Co.	$665 00	

New York State Training School for Girls, Hudson, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Cottages 5, 7 and 10	Electric	Mack & Mack	$989 00	
		Addition	50 00	
			1,039 00	$635 25

Thomas Indian School, Iroquois, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Ice house	Refrigeration equipment	Mollenberg-Betz Machine Co.	$7,325 00	$6,125 10

Letchworth Village, Thiells, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Eight cottages — girls' group	Construction	Peter Keeler Building Co.	$426,800 00	
		Addition	279 12	
			427,079 12	$38,193 13
*Eight cottages — girls' group	Heating	J. C. Williams, Inc.	132,872 00	3,451 00
*Eight cottages — girls' group	Sanitary work	C. H. Darmstadt, Inc.	35,077 23	
*Eight cottages — girls' group	Electric	Wheeler-Green Electric Co.	7,677 00	

* An asterisk indicates that contract was in force June 30, 1929.

Building	Work	Contractor	Contract	Certificates issued
*Service building...	Hardware.....	Albany Hardware & & Iron Co.....	$39 03	
*Service building...	Architectural services....	W. Nygren.....	7,500 00	$1,500 00
*Service building...	Architectural services....	W. Nygren.....	Percentage	1,400 00
*Service building...	Architectural services....	W. Nygren.....	Percentage	2,800 00
*Central heating plant.....	Steam and heating plant equipment.....	The Merrill Co.....	46,984 00	
		Addition	680 90	
			47,664 90	27,916 48
*Central heating plant.....	Electric work.....	W. H. Straut Co.....	850 00	408 00
*Storehouse.....	Refrigeration equipment..	Mayer Ice Machine Co.	3,400 00	
*Central heating plant.....	Construction.....	G. B. Wright Co.....	32,200 00	
		Addition	45 77	
			32,245 77	
		Deduction	742 00	
			31,503 77	20,103 17
*Laundry building..	Heating.....	J. J. Horan & Co.....	4,482 00	
		Addition	122 00	
			4,604 00	
*Assembly hall.....	Bronze butts.....	Albany Hardware & Iron Co.....	28 00	
*Central heating plant.....	Boiler equipment.....	Heine Safety Boiler Co.	67,500 00	53,963 95
*Central heating plant.....	Plumbing and drainage...	G. E. Engineering Co..	$3,789 00	$2,385 10
*Laundry building..	Equipment.....	Troy Laundry Machinery Co.....	3,278 00	580 00
*Laundry building..	Equipment.....	Troy Laundry Machinery Co.....	3,000 00	2,316 25
*Eight cottages, boys' group.....	Plumbing and drainage...	Wells & Newton Co....	37,952 00	
		Addition	205 00	
			38,157 00	
		Deduction	75 00	
			38,082 00	21,451 04
*Storehouse.....	Electric elevator.....	Otis Elevator Co.....	5,185 00	4,335 00
*Eight cottages, girls' group.....	Architectural services....	W. Nygren.....	8,000 00	
*Attendants' home..	Plumbing and drainage...	Wells & Newton Co...	11,700 00	2,965 43
*Attendants' home..	Heating work.....	Miller & Brady, Inc...	8,668 00	1,258 00
*Attendants' home..	Heating.....	Miller & Brady, Inc...	4,477 00	2,800 75
*Laundry building..	Equipment.....	Troy Laundry Machinery Co.....	9,707 00	
*Underground tunnel.....	Distributing piping.....	Almirall & Co., Inc....	29,242 00	
		Deduction	759 00	
			28,483 00	18,565 70

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Building	Work	Contractor	Contract	Certificates issued
Attendants' home..	Construction.....	P. Keeler Building Co.	$81,822 00	
		Addition	747 03	
			82,569 03	
		Deduction	1,378 50	
			81,190 53	$38,432 96
Attendants' home completion.....	Construction.....	P. Keeler Building Co.	68,850 00	
		Deduction	108 00	
			68,742 00	48,546 00
Assembly hall.....	Construction.....	P. Keeler Building Co..	346,222 00	
		Addition	7,950 38	
			354,172 38	
		Deduction	9,030 30	
			345,142 08	
Cottages E, F, G and H.....	Construction.....	Kelly & Kelly, Inc.....	112,500 00	
		Addition	9,710 86	
			122,210 86	
		Deduction	2,028 00	
			120,182 86	19,000 00
Attendants' home...	Plumbing and drainage.	A. J. Eckert Co.....	16,990 00	16,990 00
*Cottages E, F, G and H.....	Heating.....	Adams, Brits & Co....	25,841 00	
		Addition	210 00	
			26,051 00	6,383 50
Cottages E, F, G and H.....	Plumbing and drainage...	The R.T. Ford Co....	17,366 00	
		Addition	342 80	
			17,708 80	
		Deduction	107 44	
			17,601 36	3,634 58
Cottages E, F, G and H.....	Underground work.....	J. C. Williams, Inc....	2,797 00	1,797 00
Laundry.....	Construction.....	Harriman Industrial Corporation.....	22,315 00	
		Addition	702 00	
			23,017 00	
		Deduction	2,265 00	
			20,752 00	8,681 10
Cottages E, F, G and H.....	Electric.....	Mack & Mack.....	2,498 00	581 25
*Attendants' home..	Electric.....	W. H. Straut Co.....	2,000 00	1,411 00
Attendants' home...	Underground electric work	C. Nally.....	35,700 00	
		Addition	4,036 50	
			39,736 50	22,651 50

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Building	Work	Contractor	Contract	Certificates issued
Eight cottages.....	Hardware.....	Albany Hardware & Iron Co.....	$6,800 00	
		Addition	9 91	
			6,809 91	$6,809 91
Eight cottages.....	Heating.....	J. C. Williams, Inc.....	76,767 00	
		Addition	50 00	
			76,817 00	39,493 50
Eight cottages.....	Electric.....	G. E. Engineering Co..	6,888 00	4,552 20
*Attendants' home..	Electric.....	W. H. Straut Co.....	2,400 00	2,102 50
Attendants' home...	Hardware.....	Albany Hardware & Iron Co.....	1,484 84	1,484 84
Storehouse.....	Construction.....	George T. Kelly.....	48,888 00	
		Addition	140 00	
			49,028 00	
		Deduction	476 20	
			48,551 80	9,109 75
Storehouse.....	Electric.....	Mack & Mack.....	1,865 00	445 50
Cold storage.....	Refrigeration equipment..	The Carbondale Machine Co.....	27,000 00	7,373 50
Central heating plant.....	Construction chimney....	P. Keeler Building Co..	18,750 00	
		Addition	34 00	
			18,784 00	17,934 00
Female group.....	Heating-underground piping.....	John C. Williams, Inc..	52,674 00	
		Addition	1,850 00	
			54,524 00	
		Deduction	50 00	
			54,474 00	26,228 50
Power house.....	Ramp.....	P. Keeler Building Co..	321 00	321 00
Power house.....	Service connections.....	Mack & Mack.....	8,467 10	
		Addition	76 50	
			8,543 60	3,458 90
Power house.....	Underground electric work	W. H. Straut Co.....	3,730 00	1,137 50

State School for Mental Defectives, Newark, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Cottage for inmates	Construction.....	T. H. McHale & Son...	$41,375 00	
		Addition	336 00	
			41,711 00	$33,392 25
		Deduction	446 60	
			41,364 40	
*Cottage for inmates	Heating.....	Jamieson-McKinney Co., Inc.....	3,900 00	
		Addition	148 75	
			4,048 75	3,284 19

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificates issued
*Cottage for inmates	Sanitary work	Jamieson-McKinney Co., Inc.	$3,995 00	
		Addition	236 50	
			4,231 50	$3,323 50
*Cottage for inmates	Heating	Murtaugh & Reddington	6,685 00	5,440 00
*Cottage for inmates	Alterations to heating plant	Wm. F. Devendorf & Co.	31,500 00	10,457 50
*Cottage for inmates	Electric	Edward Joy Co.	1,529 00	
*Cottage for inmates	Outside connections	Jamieson-McKinney Co., Inc.	6,550 00	5,363 50
*Cottage for inmates	Painting water tank	John Finn & Son	500 00	500 00

Hospital for Mental Delinquents, Napanoch, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Hospital building	Structural steel and iron and stair work	Montour Steel Co.	$9,461 00	
		Deduction	48 00	
			9,413 00	

Women's Relief Corps Home, Oxford, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Building	Repairs to boiler mains	W. P. Boname	$495 00	
	Sewage disposal plant	Nash & Griffin	4,565 00	
		Addition	282 40	
			4,847 40	$060 43
	Refrigeration plant	Shipley Construction & Supply Co.	3,870 00	643 40

Craig Colony for Epileptics, Sonyea, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Dining room	Insulation of refrigerater room	C. A. Foote	$3,656 50	
*Dining room	Construction	A. E. Stephens Co.	49,330 00	
		Addition	423 50	
			49,753 50	$39,563 70
*Dining room	Heating	Edward Towe	7,200 00	7,200 00
*Dining room	Plumbing	Howe & Bassett Co., Inc.	13,590 00	
		Addition	175 00	
			13,765 00	13,765.00
*Dining room	Electric	A. J. Beuerlein	1,448 00	1,448 00
*Dining room	Refrigeration equipment	K. Vesterdahl & Co.	13,510 00	1,000 00

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Hospital for Crippled and Deformed Children, West Haverstraw, N. Y

Building	Work	Contractor	Contract	Certificates issued
*Laundry	Equipment	John C. Williams, Inc.	$2,377 00	
*Laundry	Sanitary work	Suburban Engineering Co.	11,490 00	
*Laundry	Heating	John C. Williams, Inc.	1,567 00	$780 75
*Laundry	Equipment	Troy Laundry Machinery Co., Ltd.	3,755 00	780 00
Hospital	Elevator	Graves Elevator Co.	6,376 00	1,488 50

NORMAL SCHOOLS

Buffalo Normal School, Buffalo, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*School	Construction work of removal of present railings	August Feine & Sons Co., Inc.	$2,400 00	
School	Painting	William Rein, Inc.	739 00	$739 00

Geneseo Normal School, Geneseo, N. Y.

Building	Work	Contractor	Contract	Certificates issued
School	Repairs, exterior painting of buildings	Fred Van Woert	$3,266 00	
		Addition	103 00	
			3,369 00	$3,369 00
School	Construction, repairs to roofs and reconstruction of gutters	Morrey & Cole, Inc.	1,590 00	
		Addition	15 00	
			1,605 00	1,605 00
School	Electric-electric lights in practice school	A. J. Beuerlein	3,470 00	1,175 00

New Paltz Normal School, New Paltz, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*New buildings	Express charges for finishing hardware	Feeney & Sheehan Building Co.	$8 06	
*New buildings	Panic bolt equipment on three main doors	Feeney & Sheehan Building Co.	195 00	
*School building	Heating work, addition	H. C. Peterson Co., Inc.	17,560 00	$1,887 00
School building	Construction work, addition	Feeney & Sheehan Building Co.	89,991 00	
		Addition	845 05	
			90,836 05	
		Deduction	1,466 10	
			89,369 95	10,552 18

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificates issued
Addition to school building	Hardware	Sargent & Co	$535 38	$535 38
Addition to school building	Sanitary	John J. Kenney Co	7,650 00	
		Addition	1,650 91	
			9,300 91	1,573 64
Addition to school building	Electric	Jandous Electric Equipment Co	4,590 00	
		Addition	48 00	
			4,638 00	
		Deduction	30 00	
			4,608 00	3,354 25

Oneonta Normal School, Oneonta, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Building	Three new boilers	W. B. Armstrong Co.	$17,500 00	

Potsdam Normal School, Potsdam, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Reconstruction buildings	Heating	R. Gildea	$30,000 00	
		Addition	3,900 00	
			33,900 00	$4,579 80
*Boiler house	Heating	H. J. Brandeles	36,000 00	27,416 75
*Additions	Heating	R. Gildea	5,500 00	359 55
*New building	Interior telephones, etc.	Jandous Electric Equipment Co	3,637 00	2,817 75
*Reconstruction buildings	Hadware	The Lockwood Co	1,531 00	
		Deduction	45	
			1,530 55	
Boiler house	Electric	Hudson Electric Engineering Co	1,107 00	1,107 00
New building	Construction	H. M. Weed	7,768 00	
		Addition	20 00	
			7,788 00	7,788 00
New buildings	Completing balance of work remaining undone on contracts nos. 5751 and 5919	Bradley & Weed, Inc.	Percentage	10,029 22
Cook Annex	Construction of corridor	H. M. Weed	1,500 00	
		Deduction	9 33	
			1,490 67	1,490 67

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificates issued
Boiler house.....	Construction.....	H. M. Weed.....	$42,300 00	
		Addition	2,583 00	
			44,883 00	$44,883 00
Boiler house.....	Sanitary.....	H. C. Petersen Co., Inc.	1,535 00	1,535 00
Boiler house.....	Construction and finishing concrete walks.....	Angelo Detano.....	1,820 00	
		Addition	25 00	
			1,845 00	1,845 00
Reconstruction buildings.....	Electric.....	Jandous Electric Equipment Co.....	1,650 00	587 50
Reconstruction buildings.....	Plumbing and drainage..	John J. Kenney Co....	13,442 00	
		Addition	5,780 98	
			19,222 98	
		Deduction	168 30	
			19,054 68	25 00
Reconstruction build ngs.....	Electric.....	Jandous Electric Equipment Co.....	6,775 00	
		Addition	185 00	
			25 00	
		Deduction	6,960 00	
			6,935 00	2,727 50
New building.....	Construction work of equipment.....	Natural Slate Blackboard Co.....	3,575 00	3,575 00

STATE PRISONS

Dannemora Prison

Building	Work	Contractor	Contract	Certificates issued
*Northwest wing.	Constuction work of stairs, etc.....	West Side Structural Co.....	$4,964 00	

Sing Sing Prison

Building	Work	Contractor	Contract	Certificates issued
*New buildings.....	Construction.....	P. J. Carlin Construction Co.....	$956,780 00	
		Addition	16,913 40	
			973,693 40	
		Deduction	3,792 00	
			969,901 40	$110,903 24

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificates issued
*New buildings.....	Heating.....	A. B. Barr & Co., Inc..	$59,900 00	
*New buildings.....	Sanitary.....	Kenny Moran Co., Inc.	103,341 76	
		Addition	814 76	
			104,156 52	
		Deduction	29 30	$2,385 91
			104,127 02	
*New buildings.....	Electric.....	Van-Wagoner-Linn Construction Co....	16,365 00	
		Addition	86 00	
			16,451 00	
*New buildings.....	New boilers.....	John W. Danforth Co..	41,847 00	11,475 00
*New buildings.....	Heating — under-ground mains.....	A. B. Barr & Co.....	92,936 00	
*New buildings.....	Electric, under-ground electric conduit.....	Jandous Electric Equipment Co.....	13,580 00	
*New buildings.....	Boiler grates.....	Washburn & Granger Inc.....	2,664 00	
*New buildings.....	Sanitary work water pumping apparatus....	F. N. Lewis Co. Inc...	8,700 00	
*New buildings.....	Construction fire escapes.	James McKinney & Son	1,869 00	1,869 00
*Mess hall.....	Elevator.....	Wheeler-McDowell Elevator Co.....	4,560 00	

Wingdale Prison

Building	Work	Contractor	Contract	Certificates issued
*Industrial prison...	Construction.....	Feeney & Sheehan Building Co.....	$706,000 00	
		Addition	9,036 95	
			715,036 95	
		Deduction	1,679 97	
			713,356 98	$249,464 80
*New farm and industrial prison....	Heating work central heating and lighting plant.....	Edward Joy Co.....	155,000 00	
		Addition	100 00	
			155,100 00	70,259 30
*Heating and lighting plant.....	Sanitary.....	John J. Kenney Co....	111,500 00	
		Addition	1,571 58	
			113,071 58	
		Deduction	25 00	
			113,046 58	22,087 19

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificate issued
*New farm and industrial prison....	Electric central heating and lighting plant.....	Wheeler-Green Electric Co.....	$23,774 00	
		Addition	989 65	
			24,763 65	$12,311 96
*Cell hall.....	Special bolting devices...	James McKinney & Son	534 00	
*New farm and industrial prison....	Hardware.....	The Lockwood Co.....	1,470 00	
*New farm and industrial prison....	Dam gate house etc....	Samuel Beskin.....	202,690 50	12,060 00

ARMORIES

Malone Armory, Malone, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Armory.....	Removal of present buildings debris etc. for construction of addition...	J. D. Flack.....	$31,395 00	
		Deduction	25 00	
			31,370 00	$19,532 15
*Armory.....	Heating.....	Ryan Plumbing & Heating Co.....	5,417 00	
		Addition	110 00	
			5,527 00	
		Deduction	220 00	
			5,307 00	2,112 25
*Armory.....	Sanitary.....	Ryan Plumbing & Heating Co.....	810 00	
		Addition	520 00	
			1,330 00	306 00
*Armory.....	Electric work'.....	The Croker National Fire Prevention Engineering Co.....	1,675 00	

Troy Armory, Troy, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Armory.....	Construction.....	Peter Keeler Building Co.....	$379,140 00	
		Addition	1,090 00	
			380,230 00	$49,457 13
*Armory.....	Heating.....	Ryan Plumbing & Heating Co.....	22,000 00	
*Armory.....	Plumbing and drainage...	Edward Joy Co.....	29,990 00	
		Deduction	30 00	
			29,960 00	4,037 50
*Armory.....	Electric.....	Barnum Brothers Co...	6,950 00	

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Olean Armory, Olean, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Armory	Removal of material and construction work	D. W. Dean	$96,361 00	
		Addition	521 90	
			96,882 90	
		Deduction	54 00	
			96,828 90	$46,215 65
Armory	Heating	W. H. Simpson Inc.	7,095 00	
		Addition	795 00	
			7,890 00	5,252 49
Armory	Plumbing and drainage	Hickey Bros	10,930 00	
		Addition	214 50	
			11,144 50	5,809 09
Armory	Electric	O'Connell Electric Company	3,867 60	
		Deduction	6 72	
			3,860 88	3,860 88

Troop H Armory, Rochester, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Armory	Construction including plumbing work	W. F. Maitens	$7,400 00	
		Deduction	25 00	
			7,375 00	$1,589 90

MISCELLANEOUS

County Building

Building	Work	Contractor	Contract	Certificates issued
*County building	Construction	Bame & Cardell	$5,154 00	
		Addition	573 00	
			5,727 00	
		Deduction	14 40	
			5,712 60	$2,337 50
*County building	Electric	Finch & Hahn	2,700 00	

Agricultural Hall

Building	Work	Contractor	Contract	Certificates issued
Agricultural Hall	Construction work second floor	Bame & Cardell	$866 00	
		Addition	23 81	
			889 81	$889 81
Agricultural Hall	Electric reconstruction third floor	Finch & Hahn	565 00	565 00

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificates issued
Agricultural Hall...	Plumbing work.....	A. J. Eckert Co.....	$1,125 00	
		Addition	64 50	
			1,189 50	$305 50
Agricultural Hall...	Construction third floor, rear.....	Bame & Cardell.....	868 00	
		Addition	66 40	
			934 40	934 40
Agricultural Hall...	Removal of debris and construction of enlargement and improvement of toilet accommodations	Bame & Cardell.....	738 00	738 00
*Agricultural Hall..	Additional painting.....	Joseph F. Leddy.....	477 00	
		Addition	46 00	
			523 00	
Agricultural Hall...	Alterations to second floor.	James H. White & Son.	379 00	379 00

Benson Building

Building	Work	Contractor	Contract	Certificates issued
*Benson Building...	Construction.....	McCann Building Co..	$6,730 00	
*Benson Building...	Heating.....	W. B. Armstrong Co..	1,578 00	

Capitol

Building	Work	Contractor	Contract	Certificates issued
Capitol.....	Construction work, repairs to roof.....	United Roofing Co....	$2,600 00	$2,600 00
*Capitol.....	Electric work, rooms 201, 202 and 203 — Executive Offices.....	Finch & Hahn.....	543 00	
*Capitol.....	Velvet carpet Assembly Committee Room No. 234.....	W. M. Whitney & Co..	350 00	
		Addition	7 50	
			357 50	
Capitol.....	Removing Sheldon Memorial.....	Albany Trucking & Storage Co.....	60 00	60 00
Capitol.....	Constructing etc., storm sash for Rooms 334, 335, 336.....	Bame & Cardell.....	2,398 00	2,398 00
Capitol.....	Four cases for flags.....	M. L. Ryder Building Co.....	1,500 00	1,500 00
Capitol.....	Repairs to corridors.....	Feeney & Sheehan Building Co.....	4,150 00	
		Addition	187 20	
			4,337 20	761 08
Capitol.....	Converting Room 238 into a storeroom for Excise Department.....	Feeney & Sheehan Building Co.....	498 00	498 00

* An asterisk indicates that contract was in force June 30, 1920.

Building	Work	Contractor	Contract	Certificates issued
Capitol	Waterproofing and tiling of roofs	James J. Gorman	$4,200 00	
		Deduction	200 00	
			4,000 00	$1,896 25
Capitol	Electric elevators, east end	Otis Elevator Co.	62,430 00	
		Deduction	25 00	
			62,405 00	9,937 34
Capitol	Labor and material for taking up present carpets in rooms 201–201-A & 203, Executive Chamber	W. M. Whitney & Co.	2,531 80	2,531 80

Cattaraugus Reservation

Building	Work	Contractor	Contract	Certificates issued
School building	Warm air ducts	Bartow, Mentley & Co.	$90 00	$90 00

Schoharie State School, Cobleskill, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Economics building	Sanitary work of service connections	Andrew J. Finn	$2,200 00	
*Economics building	Electric	Charles H. Darmstadt, Inc.	1,339 00	$1,365 50
Economics building	Heating	Andrew H. Finn	2,737 37	2,737 37
Economics building	Plumbing	G. E. Engineering Co.	1,960 00	
		Deduction	7 84	
			1,952 16	1,952 16
Economics building	Construction	S. A. Scullen Co.	34,973 00	
		Addition	188 84	
			35,616 84	
		Deduction	32 59	
			35,129 25	35,129 25

Cornell College of Agriculture, Ithaca, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Plant industry buildings	Architectural services	Green & Wicks	7,500 00	

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Dunkirk Fish Hatchery, Dunkirk, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Fish hatchery.....	Heating.....	Hodgkins, Fields Hardware Co., Inc.....	$1,400 00	
		Deduction	40 61	
			$1,359 39	$356 39
Fish hatchery.....	Sanitary.....	Hodgkins, Fields Hardware Co., Inc.....	5,132 96	1,124 21

Education Building, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Building.....	Reconstruction, scale pit.	Peter Keeler Building Co.....	$3,392 00	
		Addition	95 00	
			$3,487 00	$3,487 00
Building.....	Sidewalks and grading...	The Clements Contracting Co.....	7,275 00	7,275 00

Experiment Station, Geneva, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Administration building.....	Painting.....	Fairfax Bros., Co., Inc.	$396 70	
*Administration building.....	Museum cases.....	Business furniture & Supply Co.....	5,990 00	
		Addition	210 00	
			6,200 00	$4,343 50
*New building.....	Concrete sidewalks.....	George R. Hennessey..	399 84	

Health Department, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Laboratory building.....	Furniture.....	The Newton & Hoit Co.	$6,261 00	
		Deduction	97 25	
			6,163 75	$4,676 80
*Laboratory building.....	Columns in boiler room..	James McKinney & Son	325 00	
*Laboratory building.....	Steam pressure sterilizers.	American Steriliser Co.	5,248 50	4,063 85
*Laboratory building.....	Stone vats in Media preparation room.....	A. J. Eckert Co.....	382 00	
*Laboratory building.....	Latches.....	Norwalk Lock Co.....	25 00	
*Laboratory building.....	Re-arranging lummus still.	Bramhall Deane Co....	655 00	

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Building	Work	Contractor	Contract	Certificates issued
*Laboratory building	Apparatus	Bramhall Deane Co.	$13,050 00	
		Addition	155 00	
			13,205 00	$10,293 50
*Laboratory building	Floor coverings	John G. Myers Co.	4,325 00	
*Laboratory building	Electric clock system	The E. Howard Clock Co.	1,178 00	1,178 00
Laboratory building	Temporary shores	Peter Keeler Building Co.	28 90	28 90
Laboratory building	Wood wall cabinets	Kurts Bros.	4,250 00	
		Deduction	35 00	
			4,215 00	4,215 00
Laboratory building	Sanitary	A. J. Eckert Co.	55,500 00	
		Addition	4,377 93	
			59,877 93	
		Deduction	11 50	
			59,866 43	16,554 68
Laboratory building	Construction of shades and awnings	Wm. M. Whitney & Co.	1,322 00	
		Deduction	101 20	
			1,220 80	1,220 80
Laboratory building	Door stops	Albany Hardware & Iron Co.	24 50	24 50
Laboratory building	Library floor	David E. Kennedy	910 00	
		Deduction	25 00	
			885 00	885 00
Laboratory building	Sterile rooms, etc.	A. E. Stephens Co.	10,600 00	6,732 50
Laboratory building	Heating	The Merrill Co.	48,082 00	10,920 40
Laboratory building	Electric	Gagen & Butler, Inc.	10,484 00	
		Addition	958 00	
			11,442 00	1,880 30
Laboratory building	Laundry equipment	American Laundry Machinery Co.	4,270 00	1,669 00
Laboratory building	Electric elevator	Graves Elevator Co., Inc.	5,400 00	1,205 25
Laboratory building	Hardware	Norwalk Lock Co.	1,783 00	
		Addition	59 95	
			1,842 95	1,842 95
Laboratory building	Gasoline tank and pump	S. F. Bowser & Co., Inc.	595 00	595 00
Laboratory building	Electric dumbwaiters	Elevator Supplies Co., Inc.	5,789 00	5,789 00

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Income Tax Department, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
	Metal equipment.....	The Canton Art Metal Co.....	$18,377 00	
		Deduction	500 00	
			17,877 00	$17,877 00
	Furniture.....	Clayton E. Marsters...	22,630 00	18,335 50
	Teller's cage work.....	Feeney & Sheehan Building Co.....	1,975 00	1,168 75

Quarantine Station, Hoffman Island, N. Y.

Building	Work	Contractor	Contract	Certificates issued
	Prudential type of steel buildings.....	Blaw-Knox Co.....	$14,933 00	
Trestle.....	Repairs.....	C. Livingston Riker...	2,440 00	$820 25
Chimney.....	Construction.....	The Rust Engineering Co.....	1,400 00	1,400 00
Boilers.....	Setting and connecting two boilers.....	Austin Heating Corporation.....	4,245 00	1,601 50
*New well.....	Well.....	A. J. Connolly.....	8,300 00	5,000 12

John Boyd Thacher Park

Building	Work	Contractor	Contract	Certificates issued
Administration building.....	Construction.....	A. Gander & Sons.....	$683 00	
		Addition	265 00	
			948 00	$948 00

Industrial Commission, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*125 E. 27th St., New York City...	Removing plaster partition.....	Eastern Construction Co.....	$420 00	

School of Agriculture, Morrisville, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Laboratory and class room building....	Construction.....	William L. Field.....	$51,800 00	
		Addition	1,815 00	
			$53,615 00	$11,334 75
*Laboratory and class room building.....	Electric.....	J. & M. Electric Co....	2,335 00	1,313 25

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Building	Work	Contractor	Contract	Certificates issued
*Laboratory and class room building	Heating	H. J. Brandeless Co.	$8,676 95	$3,145 00
*Laboratory and class room building	Plumbing and drainage	Murtaugh & Reddington	5,400 00	2,255 00
Laboratory and class room building	Hardware	Lockwood Co	560 00	560 00

Saratoga Reservation, Saratoga Springs, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Laboratory and class room building	Removing tin roof	James Ackroyd & Sons	$308 00	
Laboratory and class room building	Construction	Peter Keeler Building Co.	694 00	
		Addition	36 28	
			730 23	$730 28

Newtown Battlefield

Building	Work	Contractor	Contract	Certificates issued
Concrete steps	Construction	Pulford & Dempsey Construction Co.	$775 00	
		Addition	17 70	
			792 70	$792 70

State Office Building, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Concrete steps	Shoring foundation walls	McCann Building Co.	$298 00	$298 00
Concrete steps	Test borings	P. J. Healey	6,600 00	6,600 00
Concrete steps	Model	Numann & Even	840 00	840 00
Concrete steps	Fence	Bame & Cardell	2,850 00	
		Addition	34 00	
			2,884 00	2,884 00

Schuyler Mansion, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
Mansion	Switch on hall light	Morton Havens, Jr.	$18 50	$18 50
Mansion	Installing and repairing fixtures	Morton Havens, Jr.	16 61	16 61
Mansion	Fixtures	E. F. Caldwell & Co., Inc	371 50	371 50

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State Fair, Syracuse, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*Horse stalls	Construction	O'Brien Construction Co.	$48,778 00	

State Hall, Albany, N. Y.

Building	Work	Contractor	Contract	Certificates issued
State hall	Electric	Edward Joy Co.	$9,753 00	
		Addition	3,403 02	
			13,156 02	
		Deduction	4 71	
			13,151 31	$645 00

State Departments

Building	Work	Contractor	Contract	Certificates issued
*State hall	Moving	D. E. Long & Sons	$6,550 00	$5,567 50

Syracuse University, Syracuse, N. Y.

Building	Work	Contractor	Contract	Certificates issued
*College of forestry	Plumbing	Young & Power	$475 00	
*College of forestry	Electric	Conduit-Miller Co.	66 00	
*College of forestry	Extending blackboards	W. C. Howell	129 50	

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SUMMARY

CONTRACTS IN FORCE JUNE 30, 1920

State Hospitals

Binghamton	$31,675 81
Central Islip	514,416 72
Hudson River	56,601 19
Brooklyn	248,003 88
Kings Park	469,795 00
Manhattan	185,506 05
Middletown	402,825 46
Rochester	1,107 00
St. Lawrence	9,100 00
Utica	1,590,669 12
Willard	1,345 00
	$3,511,045 23

Charitables

Albion	$49,504 23
Bath	95,286 96
Elmira	665 00
Iroquois	7,325 00
Thiells	920,615 05
Napanoch	9,413 00
Newark	64,408 65
Oxford	495 00
Sonyea	3,656 00
West Haverstraw	13,867 00
	$1,165,235 89

Prisons

Dannemora	$4,964 00
Sing Sing	1,314,666 62
Wingdale	1,210,961 71
	$2,530,592 33

Armories

Malone	$39,682 00
Troy	439,140 00
	$478,822 00

Normals

Buffalo	$2,400 00
New Paltz	17,763 66
Oneonta	17,500 00
Potsdam	80,567 55
	$118,231 21

Miscellaneous

Hoffman Island	$23,233 00
Agricultural Hall	523 00
Benson Building	8,308 00
Capitol	900 50
Cobleskill	3,539 00
Cornell	7,500 00
County Building	8,412 60
Geneva	6,996 54
Income Tax	42,482 00
Industrial Commission	420 00
Laboratory Building	31,507 25
Morrisville	70,586 25
Saratoga	308 00
State Departments	6,550 00
Syracuse Fair	48,778 00
Syracuse University	670 50
	$260,715 34

RECAPITULATION

Hospitals	$3,511,045 23
Charitables	1,165,235 89
Prisons	2,530,592 33
Armories	478,822 00
Normals	118,231 21
Miscellaneous	260,715 34
Total	$8,064,642 00

NOT ISSUED

FIRST ANNUAL REPORT

10,524

OF THE

Department of Architecture

OF THE STATE OF NEW YORK

FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1914

TRANSMITTED TO THE LEGISLATURE APRIL 6, 1915

ALBANY
J. B. LYON COMPANY, PRINTERS
1915

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[illegible]

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